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Ontario. Legislative Assembly

SESSIONAL PAPERS

Volume XXXVII. Part I.

First Session of Eleventh Legislature

OF THE

PROVINCE OF ONTARIO

87685
13/1/06

SESSION 1905

TORONTO:
PRINTED AND PUBLISHED BY L. K. CAMERON
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1905

WARWICK BRO'S & RUTTER, Limited, Printers,
TORONTO.

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PRESENTED TO THE HOUSE DURING SESSION.

ARRANGED ALPHABETICALLY.

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No. 3. Report of the Commissioner of Crown Lands for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

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No. 39. Report upon the Prisons and Reformatories of the Province, for the year ending 30th September, 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

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No. 43. Report of Superintendent. Neglected and Dependent Children of Ontario, for the year 1904. Presented to the Legislature, 18th May, 1905. *Printed.*

No. 44. Report upon the Inspection of Liquor Licenses, for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

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No. 46. Return from the Records of the General and Subsequent Elections to the Legislative Assembly on 25th January, and 21st February, 1905, shewing:—(1) The number of Votes polled for each Candidate in each Electoral District in which there was a contest. (2) The majority whereby each successful Candidate was returned. (3) The total number of votes polled in each District (4) The number of Votes remaining Unpolled. (5) The number of names on the Voters' Lists in each District. (6) The population of each District as shewn by the last Dominion Census. (7) Similar Statements as to any Elections held since the General Election. (8) A General Summary of Votes cast in each Electoral District. Presented to the Legislature, 22nd March, 1905. *Printed.*

No. 47. Report upon the state of the Library. Presented to the Legislature, 5th April, 1905. *Not printed*

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No. 51. Copies of Orders-in-Council in accordance with the provisions of section 187 of the Judicature Act, relating to commutation of fees of Public Officers. Presented to the Legislature, 31st March, 1905. *Not printed.*

No. 52. Return to an Order of the House of the twenty-second day of April, 1904, for a Return giving names of all persons convicted for

violation of the Liquor License Act in the District of North Hastings in the years 1902 and 1903, together with the amounts of fines and costs in each case and the dates when the same were paid. Presented to the Legislature, 31st March, 1905. *Mr. Pearce. Not printed.*

No. 53. Return to an Order of the House of the thirty-first day of March, 1905, for a Return of copies of all correspondence between the late Government of the Province, or any member or official thereof, and the Sheriff of the County of Lincoln with regard to the appointment of George Bush as Gaoler for the County of Lincoln. Presented to the Legislature, 3rd April, 1905. *Mr. Jessop Not printed.*

No. 54. Report of the Commissioners appointed to enquire into and report the various phases of Railway Legislation in force in the United States, affecting taxation of Railways. Presented to the Legislature, 7th April, 1905. *Printed.*

No. 55. Return to an Order of the House of the sixth day of April, 1905, for a Return of copies of all correspondence between the late Government, or any member or official thereof, and G. P. Wilson and Col. Cohoe, respecting the appointment of Col. Cohoe to the position of High Court Registrar. Presented to the Legislature, 7th April, 1905. *Mr. Fraser. Not printed.*

No. 56. Revised and amended Regulations for Mining Divisions relating to the Michipicoten and Temiskaming Mining Divisions. Presented to the Legislature, 20th April, 1905. *Printed for distribution only.*

No. 57. Copies of Orders-in-Council relating to the Education Department. Presented to the Legislature, 20th April, 1905. *Printed for distribution only.*

No. 58. Return to an Order of the House of the twelfth day of April, 1005, for a Return of copies of all correspondence, papers, documents, profiles and maps, between the Government or any Department thereof and the James Bay Railway Company, or any other person or persons, relating to the route of the James Bay Railway, from January 1st, 1904, down to April 1st, 1905, both days inclusive. Presented to the Legislature, 9th May, 1905. *Mr. Hoyle. Not printed.*

No. 59. Statement of distribution of Revised and Sessional Statutes, 1898 to 1904. Presented to the Legislature, 3rd May, 1905. *Not printed.*

No. 60. Return to an Order of the House of the 3rd day of May, 1905, for a Return of the copies of all correspondence, petitions or other papers in connection with the appointment of License Commissioners for the East Riding of Lambton. Presented to the Legislature, 9th May, 1905. *Mr. Auld. Not printed.*

No. 61. Return to an Address to His Honour, the Lieutenant-Governor of the fifth day of May, 1905, praying that he will cause to be laid before

this House, a Return of copies of the Statement of the Case of the Dominion, and the answer of Ontario to the Statement of Case of the Dominion, filed on Indian Claims arising out of the Northwest Angle Treaty, No. 3. Presented to the Legislature, 9th May, 1905. *Mr. Smellie. Printed.*

No. 62. Return to an Order of the House of the fifteenth day of May, 1905, for a Return of copies of all correspondence, papers, documents and memoranda relating to the drainage of the River aux Raisin, in the Townships of Osnabruck, Cornwall and Roxborough, in the County of Stormont, between the Commissioner of Public Works or his Deputy, in the years 1901, 1902, 1903 and 1904, and a Mr. Bell, C.E., Mr. Laird, C.E., Mr. Rankin Provincial Drainage Referee, and the Councils of the Townships of Roxdorough, Cornwall and Osnabruck; also, copies of all correspondence between the Hon. G. W. Ross and any of the above parties; also copies of any letters regarding this matter received by the Government from Mr. J. W. McCart and Messrs. McLennan, Cline and McLennan; also, copies of letters, authorizing the payment of Mr. Bell, C.E., Mr. Laird, C F., and several men working with them; also, a Return of the amount paid to each of the above during the years 1901, 1903, 1904. Presented to the Legislature, 23rd May, 1905. *Mr. Kerr. Not printed.*

PUBLIC ACCOUNTS

OF THE

PROVINCE OF ONTARIO

FOR THE

YEAR ENDED 31ST DECEMBER,

1904.

TORONTO:
Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty.
1905.

WARWICK BRO'S & RUTTER, Limited, Printers,
TORONTO.

To His Honour WILLIAM MORTIMER CLARKE, K.C.,

Lieutenant-Governor of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to your Honour the PUBLIC ACCOUNTS of the Province of Ontario for the year ended 31st December, 1904.

Respectfully submitted,

A. J. MATHESON,

Treasurer.

TREASURY DEPARTMENT, ONTARIO,

TORONTO, March 9th, 1905.

PROVINCIAL AUDITOR'S REPORT.

PROVINCIAL AUDITOR'S OFFCE.
TORONTO, March 9th, 1905.

To Hon. T. J. Matheson,
Treasurer of Ontario.

I have the honour to present to you the Public Accounts for the year ended 31st December, 1904.

For the Information of the Legislative Assembly, I beg to report the following over expenditures of appropriations as granted by the supply Bill:

OVER EXPENDITURES AUTHORIZED BY THE TREASURY BOARD.

Civil Government: Public Works Department..... $367 72

PUBLIC WORKS DEPARTMENT,
TORONTO, December 13th, 1904.

The undersigned begs to report to His Honour the Lieutenant-Governor-in-Council,

That the appropriation for salaries and expenses of the Public Works Department and its branches is now nearly exhausted and to meet December salaries an additional $367.72 is required.

The undersigned therefore recommends that authority be given under the act R.S.O. Cap. 23, Sec. 20, for the issue of a warrant for the said sum of $367.72.

(Sgd.) W. A. CHARLTON,
Commissioner.

Copy of a Minute of the Treasury Board, dated 28th December, A.D. 1904.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 13th day of December, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the

issue of a warrant for the sum of Three hundred and sixty-seven dollars and seventy-two cents ($367.72) in favour of the Honourable the Treasurer to meet the balance owing on account of Departmental Salaries for the month of December, the appropriation for salaries and expenses of the Public Works Department and its branches having become exhausted.

Certified,

J. LONSDALE CAPREOL,
Clerk Treasury Board.

Civil Government: Factory Inspection **$1,278 47**

Toronto, November 28th, 1904

To His Honour
The Lieutenant Governor-in-Council:

The undersigned has the honour to report that owing to the extra expenditure in connection with the office of the Factories Inspectors for both services and travelling expenses the appropriation for the Department of Agriculture is insufficient to meet the salaries for December, and contingencies for November and December, and that an additional sum of $1,278.47 is required as follows:

December salaries		$928.47
Accountable warrants for travelling expenses of Factories inspectors, November and December:		
A. H. Holmes	$100 00	
J. T. Burke	100 00	
Thomas Keilty	100 00	
Mrs. Annie Brown	50 00	
		350 00
		$1,278 47

The undersigned therefore recommends that authority be given under the Act R.S.O. Cap. 23. sec. 20 for the issue of a warrant for the said sum of $1,278.47.

(Sgd.) JNO. DRYDEN
Minister of Agriculture.

Copy of a Minute of the Treasury Board, dated 28th November, 1904:

Upon consideration of a report of the Honourable the Minister of Agriculture, dated the 28th day of November, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897 authorize the issue of a warrant for the sum of One thousand two hundred and seventy-eight dollars and forty-seven cents ($1,278.47) in favour of the Honourable the Treasurer to meet the salaries for December of the Inspectors of Factories and contingencies for November and December as follows, the appropriation for the Department of Agriculture having become exhausted:—

December salaries		$928 47
Travelling expenses of Factory Inspectors for November and December:		
A. H. Holmes	$100 00	
J. T. Burke	100 00	
Thomas Keilty	100 00	
Mrs. Annie Brown	50 00	
		350 00
		$1,278 47

Certified,

J. LONSDALE CAPREOL,
Clerk, Treasury Board....

Legislation—Stationery, Printing and Binding..... **$12,209 47**

Toronto, December 30th, 1904.

The undersigned begs to report to His Honour the Lieutenant-Governor-in-Council:—

That the appropriation for Legislative Printing and Binding for the current year, has, owing to the increased amount of work during the Session proved insufficient, and the following amounts are required to meet the outstanding accounts for the year, viz:—

Vr. No. 3882	Riordan Paper Mills...	$9,871 47
4350	Toronto Engraving Company	856 47
3470	Grip Limited	531 53

In addition to the above the following accounts chargeable to legislation expenses should also be paid, viz.:

Vr. No. 3707 C. S. Grant, (Osgoode Hall) ...	$200 00
3927 Mowat, Langton & Co	750 00
In all the sum of	$12,209 47

The undersigned therefore recommends that authority be given under R.S.O. 1897, Cap. 23, section 20, for the issue of a warrant to cover the above amount.

I have the honour to be, Sir,

Your obedient servant,

(Sgd.) LUD. K. CAMERON,

King's Printer and Accountant.

Approved,

(Sgd.) G. W. Ross,

Provincial Treasurer.

Copy of a Minute of the Treasury Board, dated the 13th day of January, A.D. 1905.

Upon consideration of the report of the King's Printer approved by the Honourable the Treasurer, dated the 30th day of December A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R. S. O. 1897, authorizing the issue of a warrant for the sum of Twelve thousand two hundred and nine dollars and forty-seven cents ($12,209.47) for the payment of the following amounts required to meet the outstanding accounts for the year in connection with Legislative Printing and Binding and Legislation expenses, the appropriation for said services having become exhausted:—

Riordan Paper Mills	$9,871 47
Toronto Engraving Company	856 47
Grip Limited	531 53
C. S. Grant, Osgoode Hall	200 00
Mowat Langton & Co.	750 00
	$12,209 47

Certified,

J. LONSDALE CAPREOL,

Clerk, Treasury Board.

Education: Superannuated Teachers **$963 70**

The undersigned respectively reports to His Honour the Lieutenant-Governor-in-Council:—

That the amount appropriated for the sub-service of "Superannuated Teachers," is exhausted, with the exception of the small balance of $8.00.

As it is necessary that the annual allowances of certain worn out teachers, still unpaid, should be forwarded without delay, the undersigned respectfully recommends that authority be given under the Act R.S.O.Cap. 23, sec. 20, for the payment of the pensions set forth in the accompanying certificates and statement; amounting to Nine hundred and sixty-three dollars and seventy cents ($963.70).

(Sgd.) R. HARCOURT,
Minister of Education.

Toronto, 27th July, 1904.

Copy of a Minute of the Treasury Board, dated 4th August, 1904.

Upon consideration of the report of the Honourable the Minister of Education, dated the 27th day of July A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of Nine hundred and sixty-three dollars and seventy cents ($963.70) in favour of the Honourable the Treasurer for the payment of pensions to certain Superannuated Teachers, the appropriation for said service having become exhausted.

Certified,
J. LONSDALE CAPREOL,
Assistant Clerk, Executive Council.

Public Institutions Maintenance, Asylum for Insane Mimico **$3,357 99**

Re Maintenance, Mimico Asylum.
Toronto, 21st December, 1904.

Sir,—I beg to report that the maintenance appropriation at Mimico Asylum has been insufficient to meet the expenditure and that the indebtedness to be paid amounts to $3,357.99.

The overdraft is in consequence of the reduction in the appropriation for the current year over last year by $2,064.00, (the average population being practically the same for the two years) and an unforseen expenditure of some $1,500.00 on coal, caused by the length and severity of the winter of 1903-4, necessitating calling on the contractor for deliveries over amounts specified in contracts.

I would therefore beg to recommend that authority be given under R. S. O. Cap. 23, section 20, for the issue of a Treasury Board Warrant for the sum of $3,357.99 in order that the accounts for December may be paid.

Your obedient servant,

(Sgd.) R. CHRISTIE.

C. H. Sproule, Esq.,
Provincial Auditor, City.

Approved,

G. P. Graham,
Provincial Secretary.

Copy of Minute of Treasury Board dated 22nd December, 1904.

Upon consideration of the report of Mr. Inspector Christie, approved by the Honourable the Provincial Secretary, dated the 21st day of December, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20 Cap. 23, R. S. O. 1897, authorized the issue of a warrant for the sum of three thousand three hundred and fifty-seven dollars and ninety-nine cents ($3,357.99) in favor of the Honourable the Treasurer for payment of maintenance accounts for the month of December in connection with the Mimico Asylum, the appropriation for said service having become exhausted.

Certified,

J. LONSDALE CAPREOL.
C. E. C.

22nd December, 1904.

Public Institutions Maintenance—Asylum for Insane, Brockville..... $5,382 83

Re Maintenance Brockville Asylum.

Toronto, 19th December, 1904.

Sir,—I beg to report that the maintenance accounts at Brockville Asylum for the month of December have been received, and when examined show an overdraft of $5,382.83. This overdraft has been caused by the increased quantity of coal required owing to the length of the winter season last year, and by the fact that all the coal for the season of 1904 and 1905 has been purchased and paid for during 1904. By this purchase a saving of 59 cents per ton was effected as compared with the terms that could be secured by taking the coal in as it might be required.

I would therefore recommend that under R.S.O. Cap. 23, Section 20, a Treasury Board Warrant be issued for the sum of $5,382.83 with which to pay the maintenance accounts presented at Brockville Asylum for the month of December, 1904, which were not provided for in the Estimates.

Your Obedient servant,
R. CHRISTIE,
Inspector.

C. H. Sproule, Esq.,
Provincial Auditor.
City.

Approved,

G. P. Graham,
Provincial Secretary.

Copy of a Minute of Treasury Board, dated 22nd December, 1904.

Upon consideration of the report of Mr. Inspector Christie, approved by the Honourable the Provincial Secretary, dated the

19th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of five thousand three hundred and eighty-two dollars and eighty-three cents ($5,382.83) in favor of the Honourable the Treasurer for the payment of the maintenance accounts presented at Brockville Asylum for the month of December, 1904, the appropriation for the maintenance of said institution having become exhausted.

Certified,

J. LONSDALE CAPREOL,

Clerk Treasury Board.

22nd December, 1904.

Public Buildings—Kingston Asylum **$1,103 34**

Department of Public Works, Ontario.

Toronto, December, 13th, 1904.

A. W. Campbell, Esq.
Assistant Commissioner,
Public Works, Ontario.

Sir,—I have the honor to report that the appropriation for the Asylum for Insane, Kingston, under Capital Account has been reported by the Auditor to be overexpended. The overexpenditure is to be attributed to the fact that no provision was made in the Estimates for the building of a House for the Butcher which has been erected at a cost of $1,229.00, the old one previously occupied by him being considered past repairing and unfit to live in. I have applied to the Inspector of Asylums to consent to the payment of the Pay Sheets out of the balance of the appropriation written under his Department by the Auditor. To-day he informs me that all of the balance will be required to meet the payment of his accounts outstanding. I would therefore recommend that a Treasury warrant be applied for to meet the following Pay Sheets and Accounts.

		Pay Lists.		
Nov. 14th to Nov. 16th,		Butcher's House.....	$130.00	
do.	do.	Cold Storage.....	13.50	
do.	do.	Stone wall...	74.25	$217.75
Nov. 28th to Dec. 10th,		Butcher's House.....	64.00	
do.	do.	Cold Storage.....	17.50	
do.	do.	Stone Wall	20.25	101.75
To Dec. 31st.		Cold Storage and Butcher's House.....		76.50
		Accounts.		
Elliott Bros.		Steam Mains & Boiler Connections.....		511.86
A. Strachan.		Cold Storage.....	$21.00	
do.		do.	55.90	
do.		Butcher's House.....	9.10	86.00
Wm. Drury.		Lime, etc.....		23.04
P. Walsh.		do.		32.44
H. J. Harpell.		Butcher's House.....	$19.50	
do.		Cold Storage	12.00	
do.		Stone Wall	12.00	
do.		Boilers	10.50	54.00
				1,103.34

Your obedient servant,

F. R. HEAKES,
Architect.

Approved,

A. M. CAMPBELL,
Asst. Commissioner.

C. H. SPROULE, ESQ.
Provincial Auditor,
Ontario.

Sir,—The appropriation under Capital Account for the Asylum for the Insane, Kingston, is now over expended to the amount of $76.95 as shown by your Department, the attached accounts are still unpaid.

The over expenditure is attributed to the fact that the butcher's house through decay, became unfit for occupation and had to be re-built.

In addition to this, the stone wall at the end of the cold Storage Building fell down, and had to be replaced.

I therefore have the honour to recommend that a cheque be issued to the Bursar of the Asylum for the payment of these several accounts and pay rolls.

(Sgd.) W. A. CHARLTON,
Commissioner of Public Works.

Toronto Dec. 16th, 1904.

Copy of a Minute of the Treasury Board, dated the 9th day of January, A.D. 1905.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 16th day of December, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20 cap. 23, R.S.O. 1897, authorize the issue of a warrant in favour of the Honourable the Treasurer for the sum of one thousand one hundred and three dollars and thirty-four cents ($1,103.34) for the payment of certain accounts in connection with work done at the Asylum for the Insane, Kingston, the appropriation for said Institution (Capital Account) having become exhausted.

Certified,
J. LONSDALE CAPREOL,
Clerk, Executive Council.

Public Buildings—Penetang. Asylum $4,043 53

Toronto, 15th November, 1904.

The undersigned has had under consideration the report of Mr. Inspector Christie, calling attention to an Overdraft on Capital Account at the Penetanguishene Asylum, and showing that out of a total vote of $18,650.00, $20,830.76 has been expended by the Public Works Department, and $5,679.32 by the Inspector, thus leaving a total overdraft of $7,950.08 of which $1,119.32 is an Overdraft by the Inspector and $6,830.76 by the Public Works Department, and having knowledge of the necessity for properly equipping the Institution, begs to recommend that an Order in Council be passed authorizing the issue of a Treasury Board warrant for $4,043.53 with which to pay accounts now presented and not otherwise provided for.

(Sgd.) J. R. STRATTON,
Provincial Secretary.

To His Honour
The Lieutenant-Governor-in-Council:

Toronto. 14th November, 1904.

Re Capital Account Penetang Asylum.

Sir,—I beg to report that accounts have been presented for payment out of Capital appropriation at Penetang Asylum

amounting to $4,043.53 and on referring same for payment to the Treasury Department I have received a statement from the Provincial Auditor of the present standing of the appropriation. The analysis shows that out of the total vote of $18,650.00, $20,-830.76, has been expended by the public works department and $5,769.32 by the Inspector, thus leaving a total overdraft of $7,-950.08 of which $1,119.32 is an Overdraft by the Inspector and $6,830.76 by the P. W. Dept. I understand from the audit department that this overdraft will be reported upon and provision made by the Public Works Department which leaves the accounts amounting to $4,043.53 still remaining unpaid under the control of the inspector.

These accounts have all been incurred in the work of equipping the institution with necessary furniture and furnishings, and I would therefore recommend that pursuant to R.S.O. Cap. 23, Sec. 20, an Order-in-Council be passed authorizing the issue of a Treasury Board warrant for the sum of $4,043.53 with which to pay the claims incurred.

Your obedient servant,
R. CHRISTIE,
Inspector.

The Honourable
The Provincial Secretary.

Copy of a Minute of the Treasury Board, dated 15th November, A.D. 1904.

Upon consideration of the report of the Honourable the Provincial Secretary, dated the 15th day of November, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20 Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of four thousand and forty-three dollars and fifty-two cents ($4,043.52) in favor of the Honourable the Treasurer for the payment of certain accounts in connection with the equipment of the Penetanguishene Asylum with neces-ary furniture and furnishings, the appropriation for said Institution (Capital Account) having become exhausted.

Certified.
J. LONSDALE CAPREOL.
Clerk Treasury Board.

Public Buildings—Penetang. Asylum..... $1,139 03

Toronto, 30th November, 1904.

Re Capital Account P. A.

Sir,—I beg to report that the appropriation on capital account at Penetanguishene Asylum for 1904 has become exhausted, chiefly owing to the necessity of providing for a larger number of patients than was contemplated. This latter expenditure consists of furniture and furnishings for the halls and sleeping rooms, besides bedding, gas, and electric light fixtures. Extra dining room supplies have also been necessary.

To properly equip the institution with the above list of furnishings, accounts have been sent in amounting to $1,139.03. And I would therefore recommend that pursuant to R.S.O. Cap. 23, Sec. 20, an Order-in-Council be passed authorizing the issue of a Treasury Board warrant for the sum of $1,139.03), with which to pay the claims incurred.

Your obedient servant,

R. CHRISTIE,
Inspector.

The Honourable
The Provincial Secretary.
Toronto, 30th November, 1904.

The undersigned has had under consideration the attached report of Mr. Inspector Christie, respecting the necessity for providing for a larger number of patients at Penetanguishene Asylum than was at first contemplated, and that in doing so the appropriation made on Capital Account has become exhausted, and an expenditure has been incurred amounting to $1,139.03 in payment of which no funds have been provided. Having been assured of the necessity for incurring the expenditure, the undersigned begs to recommend that an Order-in-Council be passed authorizing the issue of a Treasury Board Warrant for $1,1139.-03, with which to pay the accounts herewith presented.

(Sgd.) GEORGE P. GRAHAM.
Secretary.

To His Honour
The Leutenant Governor in Council.

Copy of a Minute of the Treasury Board, dated the 2nd day of December, A.D. 1904.

Upon consideration of the report of the Honourable the Provincial Secretary, dated the 30th day of November, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of one thousand one hundred and thirty-nine dollars and two cents ($1,139.02), in favour of the Honourable the Treasurer for the payment of certain accounts in connection with the Penetanguishene Asylum, the appropriation for said Institution (Capital Account) having become exhausted.

Certified,

J. LONSDALE CAPREOL,
Clerk Treasury Board.

Public Buildings—Penetang. Asylum..... $725 70

Toronto, 28th December, 1904.
Re Capital Account P. A.

Sir,—The appropriation for Capital Account for 1904 at the Penetanguishene Asylum has become exhausted, and accounts have been presented aggregating $725.70, which should be paid. The overdraft is largely due to the necessity for providing for a larger number of patients than was anticipated. Accommodation had also to be provided for the staff of employees, and for this purpose more bed-room and dining-room supplies has been necessary. The present list of accounts is chiefly for furniture and furnishings, table supplies and electric fixtures. I would therefore recommend that pursaunt to R.S.O. Cap. 23, Sec. 20, an Order-in-Council be passed authorizing the issue of a Treasury Board warrant to the extent of $725.70 with which to pay the expenditure now incurred.

Your obedient servant,

(Sgd.) R. CHRISTIE,
Inspector.

C. H. Sproule, Esq.,
Provincial Auditor,
Toronto.

Copy of a Minute of the Treasury Board, dated 28th December, A.D. 1904.

Upon consideration of the report of Mr. Inspector Christie approved by the Honourable the Provincial Secretary, dated the 28th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of Seven hundred and twenty-five dollars and seventy cents ($725.70) in favour of the Honourable the Treasurer for the payment of certain accounts for furniture and furnishings in connection with the Penetanguishene Asylum, the appropriationi for said institution (Capital Account) having become exhausted.

Certified,

J. LONSDALE CAPREOL,
Clerk, Treasury Board.

Public Buildings—Penetang. Asylum..... $7,762 95

Department of Public Works, Ontario.
Toronto, 7th January, 1905.

The undersigned begs to report to His Honor the Lieutenant-Governor in Council:

That the capital appropriation for the Asylum for the Insane, Penetanguishene, is exhausted.

For the reasons set forth in the report of Mr. Heakes, Architect of the Department, it was found necessary to make certain alterations and additions in excess of what was first contemplated and pay lists for wages and accounts amounting to $7,762.95 as per attached list still remain unpaid.

The undersigned therefore respectfully recommends that authority be given, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, for the issue of a warrant in favour of the Honourable the Treasurer, for the sum of $7,762.95 for the payment of said wages and accounts.

(Sgd.) W. A. CHARLTON,
Commissioner.

Department of Public Works, Ontario.
Toronto, December 19th, 1904.

A. W. Campbell, Esq.,
Assistant Commissioner,
Department of Public Works, Ont.

Sir,—The Provincial Auditor reports the appropriation for alterations to buildings, Penetanguishene Asylum, to be over-expended and which can be accounted for, for several reasons. When the Inspectors of Prisons and Asylums and myself paid a visit to the Institution on March 3rd last, it was then thought with some changes and additions the main building could be utilized without the extensive alterations that were afterwards found to be necessary, including cooking apparatus, which had to be entirely re-modelled and renewed, including steam and water connections, drainage and a new cement floor, smoke stack and ventilator, and entire new plumbing in kitchen. A sheeted partition was erected across the end of the dining-room from floor to ceiling 17 feet in height, with a division in the centre forming pantry off kitchen and bread-room off the bakery, the former being fitted with enclosed shelving (dresser) on three sides and the latter with open shelving, from the kitchen pantry a dumb waiter has been erected leading to the men's dining-room on the upper floor, new bread troughs, boards, etc., were fitted up in the bakery, a pantry was also erected at the opposite end of the dining-room for the Officials. All this work was not decided upon until May 13th, when I visited the buildings in company with the Hon. the Provincial Secretary, the Inspector of Asylums and the Matron of the Institution, at that time changes were made in the location of the patients, the first intention being that the building was to be occupied altogether by women, it was then decided that the south wing should be occupied by men, which necessitated the fitting up of additional plumbing on each floor and dividing doors from corridor. The location of the store in basement for dry stores was changed and the location of the wet store and cold storage was also decided upon at this time.

Three apartments on the west side adjoining each other containing isolation cells were selected for stores and cold storage, necessitating the tearing down of the cells, re-ceiling the rooms and laying new cement floors, a roadway has been constructed leading to same from the main road to permit of goods being brought directly to these apartments, formerly the stores were carried through the main dining-room along the corridor and down the main stairs, an arrangement which probably fur-

nished work for the former inmates but could not be performed by aged lunatics, for which this Institution has been designed. The stores have been completely fitted up with new shelving, counters and tables. For sanitary reasons a large amount of work had to be done, the sheeting all around the walls of the wings was removed and wood fibre plaster substituted, considerable of the old flooring was badly shrunk and the joints filled with an accumulation of filth which could not be removed, the old flooring that was worn rough was planed off and the whole of the floors throughout the building was given two coats of oil. For sanitary reasons it was also found necesary to paint the whole of the walls and ceilings, excepting the Office, Matron's, Chief Attendant's and dining-rooms which have been papered.

The expenditure on electric wiring was much more than was at first estimated on, after the work was exposed the wiring on closer examination was found in many places to be badly worn as were most of the cut-outs, which were of a pattern not now accepted by the underwriters, but would probably have been accepted by them when the work was done twelve years since. There was no porcelain or other insulation excepting the rubber covering on wires, which, where exposed, was carried on wood cleats. Under the circumstances and after the experience we had in connection with the wiring of the Parliament Buildings a short time previous, and to insure the safety of the building and inmates, the whole of the building had to be practically rewired, using such portions of the old wiring found to be in good condition, properly insulated with porcelain cleats and merle. The above also applies to the Medical Superintendent's house, the Assistant to the Medical Superintendent and to the Bursar's houses, the outside foreman's house and two cottages which have been converted into a boarding house. The Laundry was also wired for electric light. Inexpensive fixtures were provided where necessary. Owing to the difficulty of procuring men suitable for the work and the advance in price of labor and materials, added to the fact that a much larger quantity of work had to be done in connection with the steam heating than could be forseen, the amount expended on this work was greatly in excess of the estimate. A new hot water heater was made necessary by the increased plumbing, the heater formerly used was only of sufficient capacity to supply the swimming bath, the only appliance that was supplied with hot water in the building. The underground steam main from the laundry building to the kitchen in the main building, which carries steam from the boilers in laundry had to be renewed, as also the mains and returns to the radiators in large dormitories, which had never worked effectively and in consequence the rooms were not properly heat-

ed, additional radiators were placed where required, radiators and mains on the ground floor had to be raised to allow the condensation to flow freely. The boilers had to be overhauled and considerable bricking in done, both to the boilers in main boiler-house and to those in the laundry, a new smoke stack being put on the latter. A change should be made in the return mains next season, the condensation now flowing into the tank should be returned direct to the boilers, and which accounts for the extraordinary amount of coal used in heating these buildings. Another large expenditure which it was impossible to forsee was the rebuilding of the whole of the laundry building, excepting that portion occupied by the boilers, from above the foundations the walls were cracked in many places and out of plumb 6 in. on each side, but as they measured 18 in. in thickness at the doorways I decided to tie them together with iron rods below the ceiling, but when holes were cut in the work, it was found the building had been first erected of wood and then encased on both sides with ½ brick in thickness, the wood was found to be completely rotted out which accounted for the spreading and cracking of the walls, as it was not possible to tie the work together, and the walls would not for one single day stand the oscillation which would be caused by the machinery to be installed, they were taken down and rebuilt, as many of the old bricks as were found to be sound were used again, an entire new roof with the exception of the common rafters was put on and covered with galvanized iron.

It should also be explained that all of the buildings in connection with the Reformatory for Boys, with the exception of the main building, the Warden's residence, and the Assistant Warden's residence, barn and stables were found to be in a most dilapidated and neglected condition, nothing evidently having been spent upon them for years.

The Medical Superintendent's house, the Assistant to the Medical Superintendent's house, the Bursar's house and the outside foreman's house have been repaired and papered and painted throughout. New plumbing has been installed in the Assistant Superintendent's house, the Bursar's house and the outside foreman's house. Besides the above, there are now on the premises fourteen cottages, twelve of which have been put in good repair, including re-shingling of most of the roofs, and are now occupied by the officials. With a view to economizing in fuel, furnaces have been put in the Bursar's house, the outside foreman's house and the attendant's boarding house, all of which were formerly heated by stoves. No provision was or could be made in the estimate for the above work as the disposi-

tion of the houses was not decided upon, with the exception of the Medical Superintendent's house, until the officials were appointed in August. Fully twice the amount of work first contemplated was found to be necessary, yet nothing has been done that was not absolutely necessary.

The work under the supervision of this Department was commenced on March 29th, and completed on August 30th, the Clerk of Works being withdrawn on that day. The first consignment of patients arrived in August, the building being now occupied by two hundred patients.

While the amount expended may appear large, when the cost per capita is compared with other institutions, it will be found to be much below the average, being at the rate of $102.00 per patient.

Paid to date	$20,424 20
Unpaid accounts and pay sheets as per attached list	7,762 95
Total	$28,187 15

Your obedient servant,

F. R. HEAKES,
Architect.

Copy of a Minute of the Treasury Board, dated the 13th day of January, A.D. 1905.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 7th day of January, A.D. 1905, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R. S. O. 1897, authorize the issue of a warrant in favor of the Honourable the Treasurer, for the sum of seven thousand seven hundred and sixty-two dollars and ninety-five cents ($7,762.95), for the payment of pay lists for wages and accounts in connection with certain alterations and additions to the Asylum for the Insane, Penetanguishene, the appropriation (Capital Account) for said Institution having become exhausted.

Certified,

J. LONSDALE CAPREOL,
Clerk Treasury Board.

Public Buildings: Agricultural College **$411 46**

Toronto, December 28th, 1904.

To His Honour
The Lieutenant-Governor-in-Council:

The undersigned has the honour to report that the expenditure under Capital Account, at the Ontario Agricultural College has exceeded the appropriation, and that accounts to the amount of $411.46, remain unpaid.

The undersigned begs therefore to respectfully recommend that a Treasury Board Order be issued for the sum of $411.46, to cover said Overdraft.

(Sgd.) JOHN DRYDEN,
Minister of Agriculture.

Copy of a Minute of the Treasury Board, dated 28th December, A.D. 1904.

Upon consideration of the report of the Honourable the Minister of Agriculture, dated the 28th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of four hundred and eleven dollars and forty-six cents ($411.46) in favour of the Honourable the Treasurer for the payment of certain accounts in connection with the Ontario Agriculture College, the appropriation (Capital Account) for said Institution having become exhausted.

Certified,

J. LONSDALE CAPREOL,
Clerk Treasury Board.

Colonization Roads **6,000 00**

Department of Public Works, Ontario.

The Honorable,
Commissioner of Public Works.

Sir,—I beg to represent that in consequence of the unusual development and settlement of the districts of Temiskaming,

Rainy River and other portions of the Province, and necessity for roads and bridges, there will be an expenditure of about $6,000 not provided for in last year's estimates and which sum I would therefore recommend the Government to place to the credit of Department to meet the said expenditure.

Your obedient servant,

HENRY SMITH,
Supt. Colonization Roads.

Toronto, November 7th, 1904.

Approved,

A. M. CAMPBELL,
Asst. Commissioner.

Hon. G. W. Ross,
Provincial Treasurer,
Ontario.

SIR,—The undersigned has the honour to report that the appropriation for "Colonization Roads" is not sufficient to meet the expenditure which it has been found necessary to make in connection with the Season's work, as shown by the report of Mr. Henry Smith, Superintendent of Colonization Roads, hereto attached, and that a further sum of about $6,000 will be required to meet the additional expenditure for reasons that have been set forth in Mr. Smith's report.

The undersigned therefore respectfully recommends that pursuant to the provisions of section 20, Chap. 23, R.S.O. 1897, a warrant for the sum of $6,000 be approved in favour of the Honourable the Treasurer, to meet the payment of certified accounts, to be furnished by the Colonization Roads Branch of the Public Works Dept. to the Treasury Department in due course.

All of which is respectfully submitted.

I have the honour to be, sir,

Your obedient servant,

(Sgd.) W. CHARLTON,
Commissioner of Public Works.

Toronto Dec. 12th, 1904.

Copy of a Minute of the Treasury Board, dated the 13th day of December, A.D. 1904.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 12th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of six thousand dollars ($6,000) in favour of the Honourable the Treasurer for the payment of certain accounts in connection with the construction of Colonization Roads and bridges, the appropriation for said service having become exhausted, such accounts to be certified by the Colonization Roads Branch of the Public Works Department and submitted to the Treasury Department in due course.

Certified,

J. LONSDALE CAPREOL,
Clerk Treasury Board.

Refunds—Education **$306 48**

The undersigned respectfully reports to His Honour the Lieutenant-Governor-in-Council:

That the sum of one thousand dollars voted by the Legislature for Refunds, on account of Education Vote No. 53, Estimates of 1904, is exhausted and a few claims for return of fees and subscriptions remain unpaid but which should be settled before the end of the year.

The undersigned therefore respectfully recommends that the further appropriation of three hundred and six dollars and forty-eight cents ($306.48), be granted under the Act R.S.O. 1897, Cap. 23, Sec. 20, to meet the payment of the refunds named in the accompanying Schedule and as per certificate of names addresses and amounts to be furnished by the Education Department to the Provincial Treasury in due course.

Respectfully Submitted,

R. HARCOURT,
Minister of Education

Toronto. Dec. 8th 1904.

Copy of a Minute of the Treasury Board, dated the 13th day of December, A.D. 1904.

Upon consideration of the report of the Honourable the Minister of Education, dated the 8th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of three hundred and six dollars and forty-eight cents ($306.48) in favor of the Honourable the Treasurer to meet the payment of the refunds on account of education named in the accompanying Schedule and as per certificate of names, addresses and amounts to be furnished by the Education Department to the Treasury Department in due course the appropriation for refunds on account of Education having become exhausted.

Certified,

J. LONSDALE CAPREOL,
Clerk, Treasury Board.

Total Treasury Board Orders		**$45,052 67**
Less refunds and transfers after issue of Treasury Board Orders:		
Civil Government:—		
Public Works Department	**$74 85**	
Legislation:		
Stationery, Printing and Binding	**1,548 33**	
Education:		
Superannuated Teachers	**3 95**	
P. I. Maintenance:—		
Mimico L. A.	**7 20**	
Public Buildings:—		
Agricultural College	**149 00**	
Colonization Roads	**29 26**	
		,812 59
		43,240 08

Unauthorized expenditure			
Civil Government:—			
Treasury Department	134 78		
License Branch	82 35		
Agriculture Department	5 91		
		223 04	
Education:			
Departmental Library	8 13		
Maintenance Education Buildings	862 13		
Miscellaneous	79 82		
		950 08	
Colonization and Immigration		564 94	
Public Buildings:—			
Kingston L. A	213 82		
Mercer Reformatory	7 81		
Penetang L. A	8,403 93		
Childs Shelter	12 35		
S. P. Science	366 20		
		9,004 11	
Refunds:			
Miscellaneous		309 56	
			11,051 73
Total overdrafts of appropriations under Schedule A of the Supply Bill (see Statement page Public Accounts)			$54,291 81

SPECIAL WARRANT ISSUED UNDER ORDER OF HIS HONOUR THE LIEUTENANT-GOVERNOR.

49 *Vic., Cap.* 4, *Sec.* 9, *Sub-Sec.* 2.

Copy of an Order-in-Council approved by His Honour the Lieutenant-Governor, the 18th day of January, A.D. 1905.

The Committee of Council have had under consideration the reports of the Honourable the Attorney General, the Honourable the Minister of Education, the Honourable the Minister of Agriculture, the Honourable the Commissioner of Crown Lands, the Honourable the Provincial Secretary, and the Honourable the Commissioner of Public Works, dated 17th January, 1905, and the report of the Honourable the Treasurer of the same date, wherein he states that the sum of eighty thousand dollars appropriated by the supply bill of last Session, assented to on the 26th day of April, 1904 to defray the expenses of Legislation, Public Institutions Maintenance, and for salaries of Officers of the Gov-

ernment and the Civil Service for the Month of January, 1905, has become exhausted and as the Legislative Assembly has not been called for the despatch of business, some time will elapse before a vote of credit can be obtained and in the meantime it is necessary and urgent that further provision should be made for the above services to the following extent, namely:—

Legislation	$ 25,000.
Public Institutions Maintenance	150,000.
Civil Government	50,000.

The Treasurer further states that in accordance with the provisions of section 3, of the said Supply Bill, all balances remaining unexpended after the 20th day of January, instant, will lapse and be written off and in addition to the above sums in order to avoid great inconvenience to the different branches of the Public service it is urgently and immediately necessary that provision should be made to defray expenses in connection with other services as follows:—

Administration of Justice	$50,000
Education	50,000
Agriculture	25,000
Immigration & Colonization	5,000
Repairs and maintenance Public Buildings	10,000
Public Works and Buildings (capital account)	25,000
Charges on Crown Lands	25,000
Colonization Roads	10,000
Miscellaneous	25,000

The Treasurer recommends that pursuant to the provisions of sub-section 2, of section 9, Chapter 23, R.S.O. 1897, a special warrant for the sum of four hundred and fifty thousand dollars ($450,000) be issued by Your Honour, to be placed by the Treasurer to a special account against which cheques may be issued from time to time as may be required for the payment of expenditures in connection with the services above specified.

The Committee concur in the recommendation of the Treasurer and advise that the same be acted on.

Certified,

J. LONSDALE CAPREOL,
Clerk, Executive Council.

TREASURY BOARD OVER-RULINGS.

49 *Vic.*, *Cap.* 4, *Sub-Sec.* 4.

Memo. for the Treasurer *re* Improvement of highways, Cunty of Wentworth.

Attention is respectfully called to Section 8, of 1 Edw. VII. c. 32, which states that a municipality shall be entitled to receive out of monies set apart for public highways, an amount equal to one-third of the cost of the work—but not to exceed the proportion of the appropriation to which such municipality is entitled. (This latter clause is also repeated in Section 76, of 4 Edw. VII. c.10). It has not been shewn in any way that the aid proposed to be granted to the County of Wentworth, is the proportionate amount of the appropriation to which that county is entitled, and until this is established in some equitable way, or the Act further amended, I do not feel that I would be justified in countersigning a cheque.

C. H. SPROULE,
Provincial Auditor.

Hon. Geo. W. Ross,
Treasurer of Ontario.

Copy of a Minute of the Treasury Board, dated the 28th day of November, 1904.

The Treasury Board report that an Order-in-Council was made on the 2nd day of November, 1904, authorizing the payment under the authority of "The Act for the Improvement of Public Highways" of $24,155.64, to the Treasurer of the County of Wentworth being the balance of one-third of the expenditure of $130,866.83, expended by the said County during the years 1902, 1903, and 1904 under by-law No. 476 of the said Municipality which said by-law has been approved of by the Lieutenant-Governor-in-Council under the provisions of section 4, Cap. 26, 3 Edward VII. The Provincial Auditor doubts his authority to countersign a cheque for the payment of the said balance to the said County of Wentworth, as he thinks it is not clear that the aid proposed to be granted to the County of Wentworth is the proportionate amount of the appropriation to which said municipality is entitled. By Section 7, of the Act of 1901, for the Improvement of Public Highways it is provided that the road mileage to be designated and assumed thereunder shall nearly as practicable be in proportion to the assessed area of each county, and a schedule showing the amount of aid according to area each

County of the Province was entitled to was approved of by Order-in-Council of the 20th of February, 1903. The above section 7, however, has since been repealed by section 3, Cap. 26, 3 Edward VII. and the Schedule above referred to is not now applicable. Under the circumstances the Treasury Board direct that a cheque for the amount of the said balance be issued to the Treasurer of the County of Wentforth forthwith.

Certified,

J. LONSDALE CAPREOL,
Clerk, Treasury Board.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY.

Pending the negotiation of the bonds of above railway, Treasury Bills for £1,200,000 sterling. issued for six months, ending 15th May, 1905, under authority of an Order-in-Council, have been sold and the net proceeds, $5,706,487.49, placed to the credit of the Commission.

C. H. SPROULE,
Provincial Auditor.

Provincial Auditor's Office,
Toronto, March 9th, 1905.

MISCELLANEOUS STATEMENT.

No. 1.

Balance Sheet, showing the Receipts and Payments of the Treasurer of Ontario during the year 1904, with the Cash Balances on the 1st of January and 31st of December.

Receipts.	$ c.	$ c.	$ c.	Payments.	$ c.	$ c.	$ c.
To Balance from Public Accounts, 1903			151,179 00				
CONSOLIDATED REVENUE FUND.				CONSOLIDATED REVENUE FUND.			
From Dominion of Canada:							
Subsidy on population	1,116,872 80			For Civil Government		344,606 28	
" 47 Vic. c.4	142,414 48			" Legislation		200,011 14	
Special grant	80,000 00			" Administration of Justice		482,460 67	
	1,339,287 28			" Education		949,806 78	
Less *re* Yule Bridge award	24,626 75			" Public Institutions Maintenance		950,434 04	
		1,314,660 53		" Colonization and Immigration		19,889 94	
Interest paid by Dominion, see statement No. 5	167,794 30			" Agriculture		446,481 22	
Less interest paid by Ontario for twelve months ended 31st December, 1904, on balance of account current with Dominion from Confederation to date as finally adjusted	72,319 44			" Hospitals and Charities		236,592 75	
		95,474 92		" Repairs and Maintenance, Parliament Buildings, &c		71,836 88	
" Interest on Investments	93,902 99			" Locks, Dams, etc		15,547 88	
		189,377 91		" Colonization Roads		175,620 74	
" Crown Lands Department:				" Charges, Crown Lands		286,844 69	
Crown Lands	79,627 24			" Surveys, Inspections, etc		1,804 40	
Grammar School Lands	843 26			" Refunds, *re* Crown Lands	14,601 89		
University Lands	1,647 72			Education	1,306 18		
Rent:				Miscellaneous	309 56		
Mining Leases	28 597 46					16,217 93	
Crown Lands	2,010 20			" Miscellaneous		139,007 17	
		30,607 66					4,336,562 51
				Open Accounts.			
				For Asylum for Insane, Toronto		7,574 80	
				" " Mimico		5,289 41	
				" " London		22,242 38	
				" " Hamilton		9,906 70	
				" " Kingston		12,807 16	
				" " Brockville		7,898 97	
				" " Cobourg		4,750 00	
				" " Woodstock		50,305 37	
				" " Penetang		40,725 14	

Woods and Forests :				
Bonus..... 1,664,258 31				
Timber Dues 919,471 21				
Ground Rent 64,997 03				
Transfer Fees 2,056 00	2,650,782 55			
Mining Licenses	1,597 15			
Rondeau Park	61 00			
Forest Reserve.....	62 00			
Refunds :				
Surveys 530 00				
Agents' Salaries.. 278 20				
Mining Inspections 59 40	867 60			
Miscellaneous Fees, &c....	1,633 53	2,767,735 71		
" Licenses.....		362,256 61		
" Law Stamps.....		68,315 13		
" Algoma Taxes.....		7,259 98		
" Education Department.		80,404 59		
" Secretary's Department.....		101,943 16		
" Fisheries		47,883 14		
" Agriculture.....		56,988 93		
" Supplementary Revenue, Act 62, 63, Vic. & IV. Edw. VII.		420,627 82		
" Succession Duty.....		458,699 60		
" Casual Revenue.....		107,351 14		
From Public Institutions :				
Toronto Lunatic Asylum ..	41,919 18			
London " " ..	15,056 05			
Hamilton " " ..	16,275 85			
Kingston " " ..	6,337 31			
Mimico " " ..	9,157 25			
Brockville " " .	6,332 27			
Orillia " " ..	4,443 93			
Cobourg " " ..	664 25			
Penetang " " ..	82 71			
Reformatory for Boys	229 34			
" " Females ..	2,573 80			
Blind Institution.....	650 01			
Deaf and Dumb Inst. 315 00				
Less Kelly Bequest.. 34 00				
	281 00			
Central Prison	6,000 00	110,002 95		
		6,093,507 20	151,479 00	
" " Idiots, Orillia		11,210 47		
" Central Prison, Toronto		6,905 91		
" Reformatory for Females, Toronto		8,297 81		
" Deaf and Dumb Institute, Belleville.....		6,969 92		
" Blind Institution, Brantford ..		4,906 88		
" Parliament Buildings		2,475 05		
" Normal School, Ottawa.....		3,782 74		
" " Toronto		12,272 15		
" " London		90 00		
" School of Practical Science....		144,466 20		
" Agricultural College.....		31,959 46		
" Dairy School, Kingston		8,910 94		
" Children's Shelter, Toronto ..		7,012 35		
" District of Algoma :				
Lock-up at Chapleau.....	39 93			
" Cutler	9 55			
" Chelmsford ...	511 90			
Gaol, etc., Sault Ste. Marie	5,793 54			
		6,354 92		
For District of Thunder Bay :				
Lock-up at Port Arthur. ..		2,281 69		
" District of Muskoka :				
Gaol, etc., Bracebridge....		582 85		
" District of Parry Sound :				
Court House, etc., Parry Sound.....		246 21		
" District of Nipissing :				
Lock-up, Bonfield	79 96			
do Sudbury	22 40			
do Mattawa	17 00			
Registry Office, etc., North Bay	2,692 95			
" District of Rainy River :		2,812 31		
Registry Office, Ft. Francis.	1,251 10			
Court House, Rat Portage .	544 35			
Lock-up, Dryden	500 00			
		2,295 45		
" Bridge, West Arm Lake Nipissing		3,651 34		
" Bridge, Wabis River		2,773 33		
" Bridge, Sunday Creek.....		603 00		
" Bridge, La Blanche River.....		2,929 87		
		435,790 58	4,336,562 51	

No. 1.—*Concluded.*

Balance Sheet showing the Receipts and Payments of the Treasurer of Ontario during the year 1904, with the Cash Balances on the 1st of January and 31st of December.

Receipts.	$ c.	$ c.	$ c.	Payments.	$ c.	$ c.	$ c.
Brought forward		6,093,507 20	151,179 00	*Brought forward*		435,790 58	4,336,562 51
Open Accounts.				For Bridge, Combermere		1,254 50	
				" Bridge, Lake of Woods		15,884 78	
From Crown Lands Department:				" Swing Bridge, Ryerson		1,895 06	
Clergy Lands	3,764 22			" Stanley Bridge, north portion		4,860 57	
Common School Lands	9,772 73			" Bridge, Blind River		940 05	
" Drainage Works, rent charges	3,535 28			" Severn Bridge		2,500 00	
" Drainage Debentures	9,254 71			" Seguin River Bridge		3,754 00	
" " Tile	8,118 38			" Bridge, Rainy River Road		2,361 01	
" Public Buildings *re* Capital Account:				" Muskoka Lakes Works		2,438 60	
				" Burks Falls Dock Dredging		1,822 99	
Deaf and Dumb Institute	1 05			" Bridge, Wa Wa Road		1,198 39	
Ottawa Normal College	5 00			" Obstructions, North River		659 14	
Ontario Agricultural College	400 00	34,851 37		" Black Bridge, Muskoka		1,500 00	
			6,128,358 57	" Bridge, Nogey's Creek		481 85	
				" Indian River, Deepening		1,421 16	
				" Bridge, Jean Baptiste		98 31	
				" Bridge, Round Lake Road		19 00	
				" Bridge, Baysville		2,047 50	
				" Bridge, Echo River		1,332 11	
				" Bridge, Calabogie		800 00	
				" Cassimir Creek Improvements		30 56	
				" Bridge, Wasdale		1,000 00	
				" Bridge, Wahnapitae River		4,642 49	
				" Black River Bridge		9 48	
				" Outlet Drains		1,300 00	
				" Drainage		19,763 23	
				" Delta Creek Improvements		99 24	
				" Magnetewan River Dam		569 43	
				" Obstructions, Ah Mic Lake		214 07	
				" Rainy River Dock		75 00	
				" Refund *re* Land Land Improvment Fund	2,311 58		
				" Refund *re* Municipalities Fund Widows' Pensions	121 66		
						2,433 24	

			For Miscellaneous Expenditure			
			Good Roads, 1 Edw. VII., Cap 32	91,527 54		
			Trinity Medical Building	12,022 95		
					103,550 49	
			For Aid to Railways		118,337 46	
			" Annuities		102,900 00	
			" Drainage Debentures, Municip'l		13,238 53	
			" " Tile		900 00	
			" Common School Lands		78,740 76	
			" Stationery Account, excess of purchases over distribution		26 93	930,890 51
			Total Expenditure			5,267,453 02
Amount withdrawn from Special Deposits as per Statement No. 4		4,028,081 00	Special Deposits as per Statement No. 4			4,897,876 59
			Balance (see Statement No. 2)			142,288 96
		10,307,618 57				10,307,618 57

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 2.

OPEN ACCOUNTS.

STATEMENT OF BALANCE OF OPEN ACCOUNTS, 31ST DECEMBER, 1904.

——		$ c.	——	$ c.
Current balance, Bank of Commerce	24,872 04		Consolidated Fund	17,867,636 03
Bank of Toronto	4,180 60		Municipal Loan Fund	1,659,125 85
Bank of Hamilton	14,092 30		Common School Fund	1,029,402 67
Imperial Bank	4,676 02		Municipalities Fund	3,133 04
Ontario Bank	2,210 66		Railway Fund	400,162 35
Traders Bank	10,959 16		Annuities	549,979 27
Union Bank	12,463 18		Dominion of Canada	500,000 00
Sovereign Bank	17,409 37			
Metropolitan Bank	388 41			
Standard Bank	7,588 62			
Bank of Ottawa	472 42			
Royal Bank	8,338 69			
Quebec Bank	4,392 93			
Merchants Bank	18,685 83			
Bank of B.N.A.	2,867 53			
Dominion Bank	10,953 31			
	144,551 07			
Bank of Montreal, balance due bank	2,262 11			
		142,288 96		
Special deposits, Imperial Bank	528,042 59			
Bank of Commerce	395,000 00			
Ontario Bank	343,575 00			
Bank of Hamilton	325,000 00			
Bank of Ottawa	250,000 00			
Metropolitan Bank	250,000 00			
Traders Bank	242,700 00			
Sovereign Bank	143,450 00			
Quebec Bank	75,000 00			
Bank of Toronto	53,028 00			
Union Bank	35,000 00			
Standard Bank	25,000 00			
Merchants Bank	20,000 00			
Royal Bank	15,000 00			
Dominion Bank	12,500 00			
		2,713,295 59		

Dominion of Canada	72,717	76
Surplus distribution	3,388,777	47
Railway aid	3,956,335	36
Grant to Provincial University	160,000	00
University of Toronto (1 Edward VII., sec. 16, cap 41.)	65,725	75
Toronto General Hospital	4,000	00
Good Roads, 1 Edw. VII., cap. 32	91,527	54
Trinity Medical Building	12,022	95
Stationery Account	7,330	82
Drainage, 63 Vic., cap. 8	50,007	53
Drainage Assessment Fund	2,332	64
Drainage Debentures	53,111	73
Tile Drainage Debentures	75,359	30
Brockville Asylum	497,984	84
Hamilton Asylum	917,135	01
Kingston Asylum	503,080	11
London Asylum	1,015,831	23
Mimico Asylum	628,870	63
Orillia Asylum	558,482	44
Toronto Asylum	390,436	67
Cobourg Asylum	120,941	95
Woodstock Asylum	58,471	97
Institution for the Blind	286,132	00
Institution for Deaf and Dumb	339,652	39
Andrew Mercer Reformatory	163,384	72
Reformatory for Boys, Penetang	187,879	16
Penetanguishene Asylum	40,725	14
Central Prison	878,007	13
Old Parliament Buildings	102,306	49
New Parliament Buildings	1,334,355	18
Government House	183,726	48
Normal School, Ottawa	230,780	44
Normal School, Toronto	226,704	07
Normal School, London	100,798	23
Ontario Normal College, Hamilton	854	25
School of Practical Science	561,991	21
Osgoode Hall	123,062	85
Agricultural Hall	324	00
Agricultural College	611,999	67
Western Dairy School	14,583	71
Kingston Mining and Dairy School	21,092	70
Agricultural Farm, Mimico	27,648	85
Pioneer Dairy Farm	5,178	43
Carried forward	20,927,261	35

22,009,439 21

	$ c.
Brought forward	20,927,261 35
Lake Scugog Flats Rd	1,500 00
Kushog Lake Dam	300 00
High Falls Dam	7,343 07
Pigeon River Dam	2,363 00
Lake of Bays Works	581 82
Georgian Bay Works	6,758 70
Mary and Fairy Lake Works	79,937 12
Balsam and Cameron Lake Works	40,544 13
Muskoka Lake Works	30,636 38
Muskoka River Works	71,817 99
Cobb Lake Works	1,102 08
Muskrat River Improvement	1,861 98
Union Creek Improvement	1,050 63
Head River Works	976 82
River Beaudette Works	3,000 00
Madawaska River Works	12,171 43
Mississiena River Works	9,345 78
Bottle Lake Dam	4,068 72
Mississippi River Works	4,730 71
Otonabee do	11,662 91
Scugog do	93,569 40
Talbot do	605 95
Squaw do	2,269 72
Bonnechere do	338 50
Gull and Burnt do	100,709 90
Stony Creek Works	4,826 68
Nation River Works	19,877 23
Nogies do	2,114 57
Peninsula do	34,993 02
Obstructions in navigable streams	1,297 19
Magnetawan River Works	15,755 15
Deer Lake Works	1,420 17
Bridge Portage du Fort	5,500 00
Mill Creek Works	1,000 00
Southampton Pier	3,461 67
Port Elgin Pier	1,750 00
Brought forward	22,009,439 21

Shoal Lake Works	1,998 25	
Lock at Young's Point	300 00	
Lock at Magnetawan	56,425 30	
Star Lake Improvement	412 22	
Winnipeg River Dam	4,000 00	
Payne River Improvement	4,000 00	
Inkerman Dam Works	1,000 00	
Ash Rapids Dam	800 00	
Petewawa Bridge	3,879 25	
Moose River Channel	1,000 00	
Manitou Lake Dam	2,794 14	
Chemong Lake Bridge	3,500 00	
Bear Creek Works	1,617 52	
Bridge Township Cambridge	1,000 00	
Sturgeon River Works	3,616 08	
Indian Point Bridge	2,596 61	
Mackenzie Creek Works	200 35	
Rainy River Docks	3,163 44	
Rainy River Bridge	4,429 84	
Wabigoon Docks	770 95	
Cashmere Dam	1,000 00	
Des Joachim Rapids	4,000 00	
Matthawa River Works	500 00	
Wabis Creek Bridge	5,873 92	
Indian River Works	1,850 82	
Snake River Works	140 65	
Buck Lake Bridge	305 06	
Stanley Bridge	8,136 09	
Black River Works	3,136 10	
Black River Bridge	2,009 48	
Bass Lake Works	1,144 19	
Frontenac Bridge	3,272 16	
Eagle Lake Works	1,173 84	
Blind River Works	2,710 37	
Lake of the Woods Steel Bridge	24,949 02	
Kinmount Bridge	1,500 00	
Gannon Narrows Bridge	1,000 00	
White Fish River Works	249 15	
Jean Baptiste Bridge	2,948 31	
Brock's Monument and Shelter Buildings	2,356 22	
Ryerson Swing Bridge	1,895 06	
Seguin River Bridge	3,754 00	
Wawa River Bridge	1,198 39	
Brought forward	21,681,140 55	22,009,439 21

No. 2 STATEMENT of Balance of Open Accounts 31st December, 1904—*Concluded.*

——	$ c.	——	$ c.
Brought forward	21,681,140 55	*Brought forward*	22,009,439 21
Cassinir Creek Bridge	30 56		
Ahmic Lake Works	5 67		
Bridge West Arm Nipissing	3,651 34		
LaBlanche Bridge	2,929 87		
Children's Shelter	7,012 35		
Wasdale Bridge	1,000 00		
North River Works	258 37		
Round Lake Bridge	19 00		
Severn Bridge	2,500 00		
Wahnapitae Bridge	4,642 49		
Calabogie Bridge	800 00		
Sunday Creek Bridge	603 00		
Echo River Bridge	1,332 11		
Burk's Falls Dock	542 79		
Baysville Bridge	2,047 50		
Delta Creek Works	99 24		
Registry Office and Lock-up, etc., Algoma District	77,099 28		
Muskoka do.	27,191 13		
Nipissing do.	57,937 80		
Parry Sound District	37,056 81		
Thunder Bay do.	51,438 76		
Rainy River do.	47,931 79		
Haliburton do.	2,168 80		
	$22,009,439 21		$22,009,439 21

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, MARCH 9TH, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 3.

STATEMENT OF THE CONSOLIDATED REVENUE FUND, 31ST DECEMBER, 1904.

	$ c.	$ c.		$ c.	$ c.
To expenditure as per Statement No. 1	4,336,562 51		By balance, as per Statement No. 3, 1903..	16,115,909 39	
To Land Improvement Fund	2,311 58		By receipts, as per Statement No. 1.....	6,093,507 20	
		4,338,874 09			22,209,416 59
To Drainage Assessment Account Reduction on loan Township of Russell.		11,543 77	By adjustment Drainage Assessment Account		4,851 02
			By Municipalities Fund:		
			Twenty per cent. on amount collected during the year for cost of management.	.....	752 84
			By Municipalities Fund:		
			Receipts from Clergy Lands added to the grant to Public and Separate Schools, 1904 (see 50 Vic., cap, 5)	.....	3,033 44
To Balance	.....	17,867,636 03			
		22,218,053 89			22,218,053 89

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 4.
INVESTMENT ACCOUNT.

To whom paid.	Nature of investment.	Amount.	Amount.	Amount.	Amount.
		$ c.	$ c.	$ c.	$ c.
Sundry banks	Amount of special deposits 31st December, 1903		1,843,500 00		
Bank of Ottawa	Special deposits made up to 31st December, 1904	305,000 00			
Bank of Toronto	do do	138,028 00			
Bank of Commerce	do do	685,000 00			
Bank of Hamilton	do do	385,000 00			
Bank of Montreal	do do	389,000 00			
Ontario Bank	do do	283,675 00			
Standard Bank	do do	125,000 00			
Traders Bank	do do	527,700 00			
Union Bank	do do	102,500 00			
Sovereign Bank	do do	183,450 00			
Metropolitan Bank	do do	200,000 00			
Dominion Bank	do do	75,000 00			
Royal Bank	do do	65,000 00			
Imperial Bank	do do	868,523 59			
Merchants Bank	do do	365,000 00			
Bank of British North America.	do do	55,000 00			
Quebec Bank	do do	145,000 00			
			4,897,876 59		
			6,741,376 59		
	Less amount drawn to meet current expenditure :				
	Bank of Ottawa	505,000 00			
	Bank of Toronto	560,000 00			
	Bank of Commerce	420.000 00			
	Bank of Hamilton	175,000 00			
	Bank of Montreal	464,000 00			
	Ontario Bank	163,100 00			
	Standard Bank	100,000 00			
	Traders Bank	340,000 00			
	Union Bank	67,500 00			
	Sovereign Bank	50,000 00			
	Metropolitan Bank	80,000 00			
	Dominion Bank	84,500 00			
	Royal Bank	60,000 00			
	Imperial Bank	468,981 00			
	Merchants Bank	365,000 00			

Bank of British North America	55,000 00			
Quebec Bank	70,000 00			
		4,028,081 00		
			2,713,295 59	
Interest-bearing securities held by the Province :				
Drainage loans			2,332 64	
do debentures			53,111 73	
Tile drainage Debentures			75,359 30	
Municipal Debentures			25,572 50	
				2,869,671 76

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 5.

INTEREST ACCOUNT.

Statement of interest received during year ended 31st December, 1904.

From whom received.	Nature of Investment.	Amount.	Total.
		$ c.	$ c
Hon. Minister of Finance, Ottawa	Interest on Trust Funds :		
	U. C. Grammar School Fund.... $312,769.04 @ 5% for 12 months..	15,638 46	
	U. C. Building Fund..... .. 1,472,391.41 @ 5% " ..	73,619 57	
	Land Improvement Fund ..... 124,685.18 @ 5% " ..	6,234 25	
	Common School Fund :		
	$1,455,084.90 @ 5% for 12 months.....$72,754.24		
	5,568.30 @ 5% } Interest on Ontario's proportion 215.47		
	4,526.13 @ 5% } of collections 1902 and 1903 40.32		
	paid over in 1903 and 1904....		
	73,010.03		
	Less 1% in reduction of interest re collections by Ontario 1898 and 1899, $70,795.77 ..... 707.95		
		72,302 08	
			167,794 36
Sundry municipalities	Interest on drainage loans and debentures		5,593 93
Sundry persons	Interest on overdue Succession duty		1,242 28
"	Interest on funds deposited with Provincial Treasurer in lieu of bond for payment of Succession duty		1,266 47
"	Interest on overdue fees		197 81
Temiskaming and Northern Ontario Railway	Interest on temporary advances		19,513 62
Metropolitan Bank	Interest on special deposits	5,319 39	
Traders Bank	do	6,460 15	
Ontario Bank	do	5,723 72	
Dominion Bank	do	1,200 44	
Merchants Bank	do	2,927 22	
Union Bank	do	1,500 80	
Royal Bank	do	969 85	
Imperial Bank	do	8,335 67	
Sovereign Bank	do	5,641 90	
Standard Bank	do	1,676 70	

Bank of Toronto	do		4,952 39	
Bank of Commerce	do		6,783 97	
Bank of Hamilton	do		5,446 74	
Bank of Ottawa	do		7 335 48	
Bank of Montreal	do		3,707 94	
Bank of British North America	do		. 572 85	
Quebec Bank	do		1,050 79	67,606 00
				263,214 47
Deduct payments and refunds:				
Interest on balance of Account current with Dominion, from Confederation to date, as finally adjusted			72,319 44	
Interest on funds deposited with Provincial Treasurer in lieu of bond for payment of Succession duty			1,332 91	
Refund of Interest on drainage over-payments by sundry municipalities			184 21	73,836 56
				189,377 91

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 6.

EDUCATION REVENUE.

STATEMENT OF RECEIPTS of the Education Department during twelve months ended December 31st, 1904.

	Particulars.	Amount.	Total.
Normal and Model Schools, Toronto	Fees from Normal, Model and Kindergarten students and pupils	12,023 00	
do do Ottawa	do do do do do	7,175 00	
do School, London	do School students	1,014 00	20,212 00
Departmental Examinations	Examination fees and appeals		15,267 00
Normal College	Fees from students		2,775 00
Superannuated Teachers	Subscriptions, 1903		934 75
Miscellaneous	Sale of School Acts, waste paper, etc		396 64
Refund	Public School No. 4, Ryde	75 00	
	do 4, Ferris	50 00	125 00
School of Practical Science	Student's fees, 1903	12,178 00	
do do	Student's fees, 1904	28,515 60	40,693 60
			£0,404 59

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 7.

STATEMENT OF REVENUE from Agriculture during twelve months ended December 31st, 1904.

	$ c.	$ c.	$ c.
AGRICULTURAL COLLEGE:			
College Department:—			
Students' fees	3,844 07		
Board of students	14,977 68		
Supplemental examinations	55 00		
Rent of post office boxes	38 00		
Fines and breakages	173 25		
Booklets sold	7 25		
Incidentals	11 07		
		19,106 32	
Macdonald Institute:—			
Students' fees	2,716 65		
Board of students	4,098 84		
		6,815 49	
Chemical Laboratory:—			
Sale alkaline	34 00		
do solution	2 00		
do acid	11 25		
Analysis city water	8 00		
do milk	4 00		
Sale old metal	3 00		
do iron pipe	16 12		
		78 37	
Farm Department:—			
Sale of 12 cattle	542 00		
do 16 pigs	156 00		
do 14 sheep	70 25		
do 3 sows, 1,250 lbs., at 3¼c	40 62		
do 19 steers, 26,650 lbs., at 4c and 5c	1,318 80		
do 881 lbs. pork at 6¾c	59 46		
do 224 lbs. lamb at 8c	17 92		
do 3,925 lbs. beef at 8c	314 00		
do 3 lamb skins at 1.00	3 00		
do beef hides, 418 lbs., at 6½c and 7½c	30 25		
do 288 lbs. wool at 12c	34 56		
do hogs, 31,784 lbs., at 4.65 to 5.60 cwt 1,562.07			
Less freight charges 16.00			
	1,546 07		
Sale of 69½ bus. barley at from 60c to 75c	49 88		
do 121 1-5 bus. oats at from 35c to 50c	49 03		
do 35 bus. 10 lbs. wheat at from 1.01 to 1.10	35 97		
do 153 bags 200 lbs. potatoes at from 35c to 1.20	123 45		
do 51 bus. potatoes at 75c	38 00		
do 2 loads hay at 5.00	10 00		
do 34 bags at 20c	6 80		
do farm milk	3 56		
do old hay tedder	5 00		
do old tank	2 00		
Loss on stock used in slaughter test	43 83		
Service of animals	151 50		
		4,651 95	
Dairy School Department:—			
Fees	79 00		
Sale of 17,738½ lbs. butter at from 13c to 24c	3,939 07		
do 5,736 lbs. cheese at from 9c to 11c	574 39		
do grade calf	2 00		
do 1,260 qts. milk at 4c	50 40		
do 209 lbs. milk at 1.60 cwt	3 36		
do 6 qts. cream at 20c and 25c	1 25		
do 113.3 cream at 85c	96 30		
do 2 old testers	2 50		
do whey	10 00		
Breakages	8 10		
		4,766 37	
Dairy Department:—			
Sale of 50,750 lbs. butter at from 13c to 26c	9,750 34		
do 9,915½ lbs. cheese at from 8½c to 11c	997 92		
do 3,178½ qts. milk at 4c	127 15		
do 10,256½ lbs. milk at from 1.00 to 1.60 cwt	130 80		
do 106⅛ gals. cream at from 60c to 80c	72 30		
do 4 qts. cream at 20c	80		
do cattle:			
11 cows	325 00		
18 calves	148 50		
do hides	11 50		
do old churn and iron	1 15		
do old papers	90		
do old iron	25		
Resident fees	7 00		
		11,573 61	

No. 7.—*Continued.*

STATEMENT OF REVENUE from Agriculture.—*Concluded.*

	$ c.	$ c.	$ c.
Horticultural Department:—			
Sale of cut greens	50		
do vegetables	2 15		
		2 65	
Poultry Department:—			
Sale of 1,815½ lbs. poultry at from 8c to 15c	212 34		
do 13 dressed birds	6 30		
do 626 lbs. chicken at from 12c to 15c	75 81		
do 12 chickens	6 05		
do 245 live birds	308 50		
do 36 prs. ducks at from 1.00 to 1.60	39 00		
do 3 prs. chickens at 1.50	4 50		
do 3 ducks	4 00		
do 516 doz. eggs at from 12c to 35c	106 31		
do 21 doz. eggs at 12c to 15c	2 87		
do 114 5-12 settings eggs	141 00		
		906 68	
			47,901 44
EASTERN DAIRY SCHOOL:			
Sale of butter, 31,998 lbs., at from 19½c to 25c		7,042 76	
do cheese, 11,239 lbs., at from 8½c to 10c		1,017 35	
do cream		2 50	
do skim milk		70 04	
Students' fees		143 00	
			8,275 65
WESTERN DAIRY SCHOOL:			
Students' fees		40 00	
Sale of old rope		2 00	
do old weighing cans		5 00	
do separator oil		70	
do thermometers		1 20	
do churn		10 00	
		58 90	
Less overpaid 1903		9 24	
			49 66
PIONEER FARM:			
Sale of milk		119 88	
do grain and hay		262 75	
do vegetables		235 38	
do beef and hide		110 12	
do pigs		8 25	
do poultry		1 30	
do timothy seed		4 50	
Service of animals		20 00	762 18
			56,988 93

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 8.

STATEMENT OF REVENUE received from Fisheries Department during the year ended 31st December, 1904.

District.	Name.	Amount.	Total.
		$ c.	$ c.
Lake Nepigon	McKirdy, William	1,075 00	
Lake of the Woods and Rainy River District	Nash, John	989 00	
	Perry, John	40 00	
	Guerord, Alex.	20 00	
Lake Superior	McComber, Alex	1,605 00	
	VanNorman, R. M.	1,949 00	
Lake Huron, North Channel	Oliver, Richard	4,767 00	
Georgian Bay	Howard, Patrick	335 00	
	Johnson, J. A.	266 25	
	Labatt, Felix	30 00	
	Pratt, William	114 00	
	Stephens, James	130 00	
	Waddell, Adam	533 00	
	Free, John	15 00	
	Miller, B. B.	135 00	
Lake Huron (proper) and River St. Clair	McAulay, M. A.	357 00	
	Stewart, Neil	76 00	
	Yates, James	572 00	
	Steed, James	3,666 00	
Lake St. Clair, Thames River, and Detroit River	Allan, Orlando	320 00	
	Cousineau, J. B.	1,080 60	
	Stephens, John E.	291 50	
	McRitchie, James	100 50	
	Crotty, John	3 00	
	Corsant, Arthur	5 00	
Lake Erie and Grand River	Lamarsh, Peter	2,576 65	
	Laird, J. K.	4,915 00	
	Stewart, William	1,890 00	
	Wonnacott, C. W.	4,075 00	
	McCall, George D.	1,827 00	
	Farrell, John	638 00	
	Couper, A.	1,007 00	
	Ellis, Joseph	416 00	
	Peirsall, T. H.	3 00	
	Johnson, Henry	10 00	
Lake Ontario	Hadgraft, Robert	425 00	
	Ogg, Charles	291 00	
	Sargent, William	105 00	
	Walker, R. J.	47 00	
	Wood, W. R.	133 00	
	Willis, J. M.	35 00	
	Freeman, Sylvanus	136 50	
	Clark, Marshall	169 00	
	Cattanach, Donald	310 00	
	Sheppard, H. M.	20 00	
	Godwin, W. H.	236 00	
Bay of Quinte	McCargar, J. K.	230 00	
	Roblin, W. D.	139 00	
	Rennie, John	104 00	
Counties:—Frontenac, Leeds, Prescott, Russell, Carleton, Renfrew, Lanark, Grenville.	Clyde, George	160 00	
	Craig, William	16 00	
	Flynn, Robert	40 00	
	Donaldson, W. J.	5 00	
	Bilton, George	120 00	
	Norris, T. B.	5 00	
	Flood, A. J.	96 00	
	O'Connor, C. J.	80 00	
	Mair, David	30 00	
	Dutchesene, Hertel	35 50	
	Loveday, E. T.	7 00	
	Barr, Henry	34 00	
	Taylor, Charles	11 00	
	Goulette, O. V.	15 00	
	Welsh, W. J.	15 00	
	Smith, P. T.	70 00	
	Sears, J. L.	32 00	
	Woodruff, Jno.	24 00	
	Barstow, J. D	5 00	
	McGowan, J. J.	75 00	
	Carried forward	39,098 50	

No. 8.

Statement of Revenue.—*Concluded.*

District.	Name.	Amount.	Total.
		$ c.	$ c.
	Brought forward	39,098 50	
Peterborough, Northumberland, Victoria, and other inland counties.	Brady, Nicholas	14 00	
	Brown, John	5 00	
	Gillespie, C. S.	272 00	
	Myers, James	10 00	
	Johnstone, Francis	3 00	
	Moore, F. J.	25 00	
	Trotter, Alex	53 00	
	McIntyre, A. W.	60 00	
	Nicholls, Thomas	18 00	
	Lynch, E. J.	3 00	
	Stewart, J. W.	18 00	
	Skeen, Alex.	17 00	
	VanLuven, H. M.	1 00	
	Yelland, J. H.	1 00	
River St. Lawrence	Blondin, Isaac	6 75	
	Driscoll, John	20 00	
Lake Simcoe	McNabb, Duncan	17 50	
	McNiven, D.	10 00	
Muskoka	Smith, William	15 00	
Nipissing	Armstrong, John	20 00	
	Legault, H. M.	8,700 00	
Unclassified		4 50	
Lease of Lakes		1 00	
			48,385 25
Refunds on account of Revenue:—			
W. H. Oldfield, 1903	Simcoe County, Refund	2 11	
Hector Rozel, 1903	Lake Huron North Channel Refund	250 00	
James Noble, 1903	Lake Huron North Channel Refund	250 00	
			502 11
			47,883 14

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 9.

STATEMENT OF RECEIPTS of the Secretary's Department during twelve months ended 31st December, 1904.

From Whom Received.	Service.		$ c.	$ c.
Provincial Secretary's Department	Letters Patent, Licenses, etc.	$83,877 95		
	Less refunded Stratton Public Hall Co.	75 00		
			83,802 95	
	Returns from Companies		9,835 50	
	Marriage Act Forms		3,705 20	
	Notarial Commissions		758 15	
	Commissions under Great Seal		837 90	
	Certificates		133 00	
	Searches		375 90	
	Automobile Licenses, etc.		1,282 00	
	By-laws		321 31	
				101,051 91
Provincial Registrar's Office	5 Exemplification of Patent		41 25	
	46 Certified Copies Patent		115 00	
	160 Searches		40 00	
	Certificates		20 50	
				216 75
Registrar-General's Branch	307 Certificates of Birth	@ .50	153 50	
	125 do Marriage	@ .50	62 50	
	281 do Death	@ .50	140 50	
	1,272 Searches	@ .25	318 00	
				674 50
				101,943 16

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 10.

ALGOMA TAXES REVENUE.

STATEMENT showing the several amounts received by the Treasurer of Ontario on account of TAXES ON PATENTED LANDS in the District of Algoma, Thunder Bay, and Rainy River during the year ended 31st December, 1904.

From whom Received.	Service.	Amount.	Total.
		$ c.	
Austin, Mrs. W. A.	On account of taxes	4 00	
Albin, Martin H.	do	19 35	
Ackerman, G. L.	do	58	
Amory, W. N.	do	3 82	
Adams, Cuyler	do	5 55	
Armour & Mickle	do	2 00	
Allison, Mrs. Isabella	do	1 38	
Bradford, I. H.	do	40	
Black, D. Allan	do	12 16	
Bergenthal, William	do	68	
Boswell, A. R.	do	2 40	
Bird, John P.	do	1 62	
Bliss, A. P.	do	5 24	
Bearinger, Isaac	do	13 80	
Binswanger, H. P.	do	3 28	
Boyce & McPhail	do	4 77	
Brewster, C. E.	do	3 42	
Bruce, A. C.	do	16 05	
Beatty & Co.	do	135 32	
Baker, Alfred	do	3 04	
Bevan, Mrs. O. T.	do	4 79	
Ballentine, A. R.	do	39 59	
Beck, H. H.	do	8 84	
Brent, Good	do	13 48	
Bradley, H. M.	do	66	
Braden, F. B.	do	6 40	
Call, Byron N.	do	1 70	
Clarke, Gray & Baird	do	187 88	
Cook, J. E.	do	6 49	
Campbell, Colin	do	3 43	
Conlon, J., and D. Kelly	do	214 76	
Conlon, Thomas	do	2 50	
Carpenter, Mina A.	do	97 17	
Cochrane, John C.	do	5 61	
Clarke, H. C.	do	8 14	
Cassils, Charles	do	2 30	
Canadian Pacific Railway	do	20 28	
Cockburn, Mrs. Isaac	do	76	
Colvin, W. W.	do	11 72	
Candler, H. & J.	do	3 08	
Craufurd, Sir Charles	do	4 80	
Cook & Bros. Lumber Co.	do	11 16	
Cronsted Mining Co.	do	185 34	
Canadian Copper Co.	do	36 54	
Christie, Robert	do	90	
Delaney Estate, Thomas	do	15 66	
Davis, Henry A.	do	2 77	
Deschamps, P.	do	1 32	
Danforth, Mrs. G.	do	1 60	
Eschweiler, Franz C.	do	13 00	
Eastman, Arthur M.	do	74 67	
Fletcher Bros.	do	12 38	
Falk, David	do	2 00	
Ferguson, P.	do	39	
Felt, Anna E.	do	6 17	
Fraser, John	do	2 51	
Frees, H. J.	do	5 08	
Goetz, Alvis	do	5 48	
Gurofski, D.	do	79	
Grant, Mrs. J. M.	do	68	
Griswold, F. A.	do	83	
Gilman, John C.	do	13 76	
Gay, J. E.	do	6 28	
Gall, James	do	3 36	
Grant, Geo. J.	do	33 61	
Carried forward		1,319 52	

No. 10.

ALGOMA TAXES REVENUE.—*Continued.*

From whom received.	Service.	Amount.	Total.
		$ c.	
Brought forward		1,319 52	
Gwynne, W. D.	On account of taxes	779 41	
Gorham, T. A.	do	14 09	
Graham, T. A.	do	56	
Goodell, R. R.	do	85	
Getty, William	do	3 09	
Harvey, John	do	8 88	
Higginson, H. L. and Thos. H. Sheppard	do	208 86	
Hunter, J. H.	do	9 35	
Hall, R. J.	do	1 74	
Hartford, G. M. & D. Co	do	94	
Harris, Theodore S.	do	66	
Huronian Co.	do	22 93	
Heck, Mrs. M. A. Executrix	do	10 63	
Hewson, C. E.	do	286 86	
Harris, Harold	do	1 55	
Hearst, McKay & Darling	do	336 04	
Huntington, W. W.	do	30 19	
Hunter, W. H.	do	19 92	
Humble, J. W.	do	8 86	
Inglis, W. J.	do	1 65	
Ionson, William	do	1 60	
Jackes, C. B.	do	320 99	
Johnson, Charles J.	do	22 27	
Johnson, J. E	do	2 71	
Jackson Estate, D., Jr.	do	17 59	
Jackes & Jackes	do	69 51	
Jenkins, Thomas	do	8 40	
Jones, Edward G.	do	52	
Jones, A. E.	do	13 53	
Jack, Lake G. M. Co.	do	11 06	
Keating, W. J.	do	9 51	
Kirk Estate, William	do	70	
Krause, H. C.	do	1 29	
Krause, C. H.	do	1 61	
Kerr, Bull & Shaw	do	45 21	
Loudon, Robert	do	1 44	
Lindsay, T.	do	3 76	
Litchfield, W.	do	14 12	
Langworthy & McComber	do	10 53	
Leech, Harlan E.	do	2 00	
Leys, Helen	do	8 09	
Lye, Henry	do	15 30	
Mingaye, W. R.	do	21 48	
Murphy, Sale & O'Connor	do	30 30	
Murphy, James	do	2 61	
Munro, Hugh	do	9 79	
Mariposa Mining Co.	do	2 88	
Morley, M. T.	do	5 05	
Marvin, Mrs. P. S.	do	80	
Mitchell, E.	do	1 52	
Moore, G. S.	do	5 42	
Murdoch, F. W.	do	4 00	
Mitchell, W. S.	do	10 47	
Maxwell, Rolph	do	3 62	
Machell, H. T.	do	7 66	
Macdonell, A. J.	do	38 23	
Montgomery, Fleury & Montgomery	do	44 60	
McArthur Bros. Lumber Co.	do	27 10	
McPherson, Clark, Campbell & Jarvis	do	141 85	
McCabe Estate, William	do	534 00	
McCutcheon, S. J.	do	7 90	
McCharles, A.	do	12 85	
McNaughton, John	do	90	
McDonald, Shepley & Co.	do	4 09	
McIntosh, A.	do	386 17	
McGee, James C.	do	15 33	
Mason, Joseph	do	4 80	
Nairn, J. J.	do	12 12	
Carried forward		4,983 86	

No. 10.

ALGOMA TAXES REVENUE.---*Continued.*

From whom received,	Service.	Amount.	Total.
		$ c.	$ c.
Brought forward		4,983 86	
Northern Lights Mines Co.	On account of taxes	9 72	
Notman Estate, John	do	76	
New York Ontario G. M. Co.	do	23 47	
Palms Estate, Francis	do	3 20	
Paradis, R. A.	do	7 06	
Plummer, W. H. & Co.	do	19 18	
Petrie, A. B.	do	25	
Price, Richard	do	1 59	
Parsons, Helen C.	do	21	
Parlin, H. C.	do	1 29	
Paine, F. W.	do	2 52	
Perry, R. D.	do	5 06	
Prout, William A.	do	91	
Palmer, Mrs. J. C.	do	2 51	
Pardee & Burnham	do	27 12	
Pumpelly, R., and H. L. Smith	do	148 18	
Pennock, Charles G.	do	29 74	
Parsons, John	do	80	
Perley, George H.	do	6 61	
Peden, William	do	1 99	
Rickel, John G.	do	1 58	
Robinson, G. H.	do	4 79	
Roberts, D. E.	do	2 42	
Roth, Fred	do	2 09	
Ross, A. G.	do	1 75	
Rental Royalty Syndicate	do	2 77	
Reesor, H. A.	do	3 76	
Robinson, James	do	27 40	
Raymond, E. G.	do	3 57	
Randall, C. C.	do	6 59	
Saltonstall, F. G.	do	9 55	
Smith, Rae & Greer	do	106 17	
Sundby, G. O.	do	7 23	
Schwigler, W. J.	do	7 54	
Stimson, Geo. A. & Co.	do	2 69	
Sheppard, W. J.	do	20 18	
Shaw, Geo. A.	do	33	
Smith, Fred. H.	do	80	
Sutton Estate, W. P.	do	1 21	
Shaw, Geo. W.	do	1 60	
Shaw, Geo. W., Jr.	do	6 63	
Smith, Goldwin	do	1 60	
Symons, James	do	2 49	
Senter, John	do	8 99	
Smyth, H. L.	do	14 70	
Scott, J. G.	do	10 92	
Turner, William	do	1,402 22	
Traverse City Gold Reef Co.	do	2 10	
Thurston, C. B.	do	3 30	
Thompson, Emerson	do	3 54	
Torrance, Mrs. C. M.	do	3 81	
Taylor, H. G.	do	50	
Upham, N. J. & Co.	do	84	
Vernon, Geo. H. & Co.	do	24 69	
Washington & Beasley	do	49	
Weir, Charles	do	3 26	
Walsh, M.	do	3 48	
Watzke, Anton	do	1 26	
Wilkes, A. J.	do	47 84	
Wood, W.	do	12 00	
Werritt, W. H.	do	60 84	
Wells, W. H.	do	6 99	
Yawkey, W. H.	do	150 00	
			7,262 54
Less refunded to H S. Josselyn overpayment 12 Dec, 1903			2 56
			$7,259 98

No. 10.

STATEMENT of lands exempted from Algoma Land Tax under Sheriff's Certificate (see III Edward, Cap. 2, Sec. 2, 1903), and the amount of arrears cancelled, during the year 1904.

Description.	Acres.	Arrears.
Location 305 P, east part of Treaty Island, Rainy River District, occupant. John Whiting	484	$67 55
Southwesterly 20 acres of Lot 5, Concession 7, Township of Jaffray, Rainy River District, occupant. Thos. Burk	20	2 49

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 11.

STATEMENT of REVENUE received on account of Law Stamps, 31st December, 1904.

County.	Distributor.	Amount.
Brant	A. J. Wilkes	1,508 05
Bruce	T. Dixon	1,026 00
Carleton	J. A. Ritchie	2,010 70
Dufferin	T. Bowles	468 35
Elgin	J. Farley	1,017 46
Essex	F. Cleary	942 95
Frontenac	J. L. Whiting	1,235 00
Grey	J. Armstrong	802 75
Haldimand	J. A. Murphy	95 00
Hastings	P. J. M. Anderson	1,349 00
Huron	D. McDonald	1,235 00
Halton	T. G. Matheson	286 40
do	W. I. Dick	61 75
Kent	James Holmes	712 50
Lambton	J. P. Bucke	1,097 25
Lanark	W. P. McEwen	446 50
Lennox and Addington	H. M. Deroche	346 75
Leeds and Grenville	O. K. Fraser	1,331 28
Lincoln	M. Brennan	518 25
Middlesex	James Magee	1,010 00
do	J. B. McKillopp	760 00
Northumberland and Durham	W. F. Kerr	2,269 45
Norfolk	C. C. Rapelje	289 75
Ontario	J. E. Farewell	478 75
Oxford	F. R. Ball	617 50
Peterborough	R. E. Wood	380 00
Prescott and Russell	J. Belanger	248 00
Prince Edward	J. R. Brown	239 40
Peel	W. H. McFadden	380 00
Perth	J. Idington	831 75
do	G. G McPherson	1,115 15
Renfrew	J. R. Metcalf	285 00
Simcoe	J. R. Cotter	1,910 45
Stormont, Dundas and Glengarry	James Dingwall	950 00
Victoria	J. R. McNeillie	570 00
Waterloo	W. H. Bowlby	807 50
Welland	T. D. Cowper	555 75
Wellington	H. W. Peterson	1,377 50
Wentworth	J. Crerar	1,692 00
do	S. F. Washington	1,632 10
York	James MacMahon	20,750 00
Toronto	Joseph Tait	11,067 50
Algoma District	T. H. Murray	437 00
Manitoulin do	A. G. Murray	28 50
Muskoka do	I. Huber	216 00
Nipissing do	A. G. Browning	286 95
Parry Sound do	E. Jordan	191 24
Rainy River do	J. W. Humble	175 75
Thunder Bay do	A. W. Thompson	271 70
		68,315 13

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 12.

STATEMENT OF SUCCESSION DUTY FOR THE YEAR ENDING 31st DECEMBER, 1904.

County and Estate.	$ c.	$ c.	$ c.
BRANT—			
Jane Gorman	741 58		
Wm. Robson	10 00		
Wm. Willett	3,280 17		
F. S. Woods	250 00		
		4,281 75	
BRUCE—			
Samuel Fleming	1,817 09		
Wm. Kirk	680 00		
James Stark	15 00		
		2,512 09	
CARLETON—			
Alex. Fraser	120,000 00		
Maria Griffin	2,546 55		
Wm. Mackey	62,328 68		
David Scott	38 80		
Esther Slater	1,175 00		
James Warnock	971 32		
Mary S. Wright	14,818 96		
		201,879 31	
DUFFERIN—			
Hamilton Ferns	.....	153 20	
ELGIN—			
John Bassett	91 91		
Thomas McLaughlin	575 42		
George Turvill	1,654 16		
John Wise	150 00		
		2,471 49	
ESSEX—			
L. R. Medbury	1,000 00		
Daniel Goyeau	298 20		
		1,298 20	
FRONTENAC—			
Gordon Waldron	.....	75 38	
GREY—			
Wm. Keefer	47 75		
Anna J. Marsh	240 92		
		288 67	
HALDIMAND—			
John Parry	.....	16 70	
HALTON—			
Daniel Owens	41 39		
J. A. Speight	562 07		
		603 46	
HASTINGS—			
Harriet A. Bogart	1,971 34		
Charles E. Parker	140 00		
		2,111 34	
HURON—			
Wm Carson	1,116 06		
Wm. McCaa	1,127 50		
Alex. Munroe	619 56		
Samuel Sloane	4,609 27		
		7,472 39	
KENT—			
Joseph Hawley	755 34		
Annie J. Stephens	688 10		
Mary M. Wells	198 00		
		1,641 44	
LAMBTON—			
R. I. Bradley	2,143 06		
Allan Duncan	240 75		
Edmund Hall	24,085 22		
F. W. Kittermaster	207 02		
		26,676 05	
Carried forward	.....	251,481 47	

No. 12.

STATEMENT OF SUCCESSION DUTY, 1904. *Continued.*

County and Estate.	$ c.	$ c.	$ c.
Brought forward	.....	251,481 47	
LANARK—			
J. A. Burgess	1,207 21		
George Thornton	772 00		
		1,979 21	
LEEDS AND GRENVILLE—			
Samuel Finley	1,747 30		
John T. Taylor	461 76		
		2,209 06	
LENNOX AND ADDINGTON—			
F. D. Miller	38 20		
J. D. Ham	300 00		
		338 20	
LINCOLN—			
Mary Hamilton	813 00		
Abraham Moot	86 68		
		899 68	
MIDDLESEX—			
Wm. Dyke	717 75		
T. A. Hall	450 00		
Robt. McLeod	285 37		
Finlay McNeil	116 51		
James Tier	574 78		
John Vetch	500 00		
		2,644 41	
NORFOLK—			
Wm. Morgan	.....	656 66	
NORTHUMBERLAND AND DURHAM—			
Mary Carr	728 00		
Lydia Corneil	48 75		
John England	539 49		
T. Fitzgerald	1,450 22		
M. A. Jamieson	60 00		
George Lumsden	2,049 76		
Olive W. Sanford	562 00		
		5,438 22	
ONTARIO—			
Wm. J. Hare	15 00		
J. H. Montgomery	96 05		
		111 05	
OXFORD—			
Richard Ferguson	2,043 99		
Alex. Gordon	683 27		
Wm. Hersee	3,945 33		
Andrew Pattullo	2,030 70		
		8,703 29	
PERTH—			
J. J. Conacher	25 00		
Martha Hall	722 42		
P. P Hamilton	617 51		
J. D. Moore	1,000 00		
C. S. Rumsey	143 25		
Thomas Thompson	20 00		
		2,528 18	
RENFREW—			
J. W. Munro	14,000 00		
John Wellington Munro	530 75		
Albert Smallfield	43 64		
		14,574 39	
STORMONT, DUNDAS AND GLENGARRY—			
Joseph Kerr	1,906 81		
Thomas Kerr	583 06		
Wm. Kerr	1,435 87		
R. R. McDonell	24 00		
M. M. Mowat	25 00		
Alex. H. Ross	739 97		
John Stewart	525 00		
Sir E. A. Stuart	1,221 86		
David Tait	552 41		
		7,013 98	
Carried forward	.....	298,577 80	

STATEMENT OF SUCCESSION DUTIES, 1904.—*Continued.*

County and Estate.	$ c.	$ c.	$ c.
Brought forward		293,577 80	
WATERLOO—			
Robert Forrest	630 00		
Margaret Lowes	806 36		
Peter Schantz	1,220 85		
John Strong	493 45		
Christian Trachsel	1,305 64		
Adam Warnock	35 00		
John F. Woelfle	489 86		
		4,981 16	
WELLAND—			
L. A. Bullard	75 00		
L. G. Carter	70 60		
Samuel Hopkins	836 85		
		982 45	
WELLINGTON—			
J. D. Allan	42 40		
Margaret Armstrong	95 65		
R. de Mauritz	186 75		
		324 80	
WENTWORTH—			
Andrew Baird	668 40		
T. J. Doak	97 00		
Wm. Eames	775 00		
John Eastwood	100 00		
Hugh Fairgrieve	763 06		
George Fletcher	303 35		
John Gamble	1,489 66		
W. H. Gillard	424 54		
Jane Hunter	276 14		
John Keough	146 09		
Henry McLaren	10,185 00		
Rose A. T. Osborne	1,180 56		
Wm. Palm	48 00		
George Roach	4,000 00		
A. A. Sawyer	80 27		
T. C. Watkins	5,692 90		
Mary Webber	50 00		
		26,279 97	
YORK—			
Joseph Alexander	72 75		
Elizabeth Armstrong	1,945 53		
M. C. Ashfield	635 68		
Hannah Awty	50 00		
Wm. Barrett	18 99		
L. Bolster	2,473 00		
A. M. Cassils	790 93		
Gilman Cheney	1,282 16		
Athole H. Church	2,375 69		
Alfred Dredge	58 70		
Michael Dwyer	674 31		
J. H. Farr	23 97		
Thomas Ferguson	47 80		
S. J. Franklin	150 00		
Anne B. Gamble	2,311 47		
A. F. Gault	3,535 27		
John Hallam	491 04		
Margaret Hartney	93 40		
King Houston	731 89		
H. S. Howland	2,000 00		
John Irwin	95 62		
Henry Jones	395 15		
Charles King	229 44		
T. M. Lee	1,500 00		
George W. Lewis	49,959 66		
John Lyman	6,417 77		
Wm. McCabe	4,500 00		
Wm. McGill	2,864 53		
E. McG. Maclennan	2,213 22		
E. A. McMicking	675 00		
Abraham Mainer	498 55		
Alex. Manning	15,000 00		
Carried forward	104,111 52	331,146 18	

STATEMENT OF SUCCESSION DUTIES, 1904.—*Concluded.*

County and Estate.	$ c.	$ c.	$ c.
Brought forward	104,111 52	331,146 18	
YORK.—*Continued*			
Joseph Orr	47 83		
J. J. Pearson	24 31		
Samuel Richardson	2,845 42		
Samuel Rogers	2,411 77		
G. W. Rundel	2,038 60		
E. L. Simpson	50 00		
J. T. R. Stinson	25 00		
John Webber	671 49		
George Willett	369 38		
J. J. Woodhouse	1,019 35		
W. C. Woods	21 84		
		113,636 51	
Funds Deposited in lieu of Bonds for Payment of Succession Duty.			
DUFFERIN—			
Henry Carter	775 00		
HASTINGS—			
J. J. Wallis	700 00		
OXFORD—			
R. B. Miles	1,700 00		
YORK—			
L. Bolster	450 00		
A. S. Irving	2,500 00		
T. J. Jermyn	2,500 00		
G. S. McConkey	2,500 00		
Alex. McKay	1,291 73		
Margaret Ryan	3,028 00		
		15,444 73	
		460,227 42	
Refunds.			
James Carmichael (Ontario) (1903)	47 88		
S. M. Everett (Peterboro) (1903)	497 01		
Oliver McClary (Middlesex) (1903)	43 86		
Neil McLeod (Frontenac) (1902)	159 08		
Isaac Waterman (Middlesex) (1903)	779 99		
		1.527 82	
			458,699 60

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 13.

STATEMENT OF REVENUE.

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		$ c.	$ c.
Life Insurance Co's.....	Ætna Life Insurance Co.	1,536 71	
	British Empire Mutual Life Association	235 16	
	Canada Life Assurance Co.....	12,145 70	
	Confederation Life Association	6,139 73	
	Commercial Union Assurance Co.	45 98	
	Continental Life Insurance Co.	866 05	
	Crown Life Insurance Co.	259 50	
	Dominion Life Assurance Co.	1,281 46	
	Equitable Life Assurance Society of the U.S.	1,872 12	
	Edinburgh Life Assurance Co.	98 47	
	Excelsior Life Insurance Co.	1,326 81	
	Federal Life Assurance Co.	2,395 93	
	Great West Life Assurance Co.	1,444 24	
	Home Life Association, of Canada	689 91	
	Imperial Life Assurance Co., of Canada ..	2,749 39	
	London & Lancashire Life Assurance Co. ..	1,154 62	
	London Life Insurance Co.	2,209 13	
	Liverpool & London & Globe Insurance Co...	21 60	
	Mutual Reserve Fund Life Association	1,366 30	
	Mutual Life Insurance Co., of New York....	2,216 73	
	Mutual Life Assurance Co., of Canada	7,560 75	
	Manufacturers' Life Insurance Co.	4,703 00	
	Metropolitan Life Insurance Co.	3,939 51	
	Northern Life Assurance Co., of Canada	818 21	
	National Life Assurance Co., of Canada	541 45	
	North British & Mercantile Insurance Co.	96 60	
	New York Life Insurance Co.	3,329 12	
	North American Life Assurance Co.	5,644 42	
	Provident Savings Life Assurance Society, of N. Y.	354 58	
	Royal Victoria Life Insurance Co.	348 05	
	Royal Insurance Co.	54 67	
	Sovereign Life Insurance Co., of Canada ...	216 02	
	Sun Life Assurance Co., of Canada	5,776 90	
	Star Life Assurance Society	222 41	
	Standard Life Assurance Society	3,305 37	
	Scottish Amicable Life Assurance Co.	47 24	
	Travellers' Insurance Co., of Hartford, Conn.	1,103 43	
	United States Life Insurance Co.	187 90	
	Union Mutual Life Insurance Co.	236 24	
	Union Life Assurance Co. of Toronto	214 57	
			78,755 98
Fire Insurance Co's.....	Ætna Insurance Co., of Hartford	475 89	
	Alliance Assurance Co.	572 73	
	Atlas Assurance Co.	717 44	
	Anglo-American Fire Insurance Co.	1,395 69	
	British America Assurance Co.	1,348 20	
	Canadian Fire Insurance Co.	303 19	
	Caledonian Insurance Co.	735 65	
	Commercial Union Assurance Co.	1,066 95	
	Connecticut Fire Insurance Co.	105 09	
	Equity Fire Insurance Co.	471 36	
	Guardian Fire & Life Assurance Co.	1,074 73	
	Hartford Fire Insurance Co.	639 28	
	Home Insurance Co.	617 11	
	Insurance Co., of North America	526 53	
	Carried forward		78,755 98

No. 13.

STATEMENT OF REVENUE.—*Continued.*

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		$ c.	$ c.
	Brought forward		78,755 98
Fire Insurance Co's	London & Lancashire Fire Insurance Co.	850 08	
	London Assurance Corporation	379 68	
	London Mutual Fire Insurance Co.	1,247 94	
	Law Union & Crown Insurance Co.	158 23	
	Liverpool & London & Globe Insurance Co.	1,540 32	
	Mercantile Fire Insurance Co.	407 73	
	Manchester Fire Assurance Co.	294 89	
	Norwich Union Fire Insurance Society	1,290 70	
	North British & Mercantile Insurance Co.	1,440 14	
	Northern Assurance Co.	1,225 11	
	Ottawa Fire Insurance Co.	488 74	
	Phœnix Assurance Co., of London	1,178 46	
	Phœnix Insurance Co., of Brooklyn, N.Y.	337 00	
	Phœnix Insurance Co., of Hartford, Conn.	211 73	
	Queen Insurance Co., of America	1,103 38	
	Quebec Fire Insurance Co.	192 66	
	Royal Insurance Co.	2,694 42	
	Scottish Union & National Insurance Co.	543 69	
	Sun Insurance Office	678 77	
	Union Assurance Society, of London	657 85	
	Western Assurance Co.	2,118 27	
			29,089 63
Sundry Insurance Co's, paying also an assessment under The Ontario Insurance Co's Act.	Central Life Insurance Co.	134 61	
	Canadian Casualty & Boiler Insurance Co.	97 31	
	Economical Mutual Fire Insurance Co., of Berlin	309 75	
	Fire Insurance Exchange Corporation	78 56	
	Gore District Mutual Fire Insurance Co.	190 67	
	Hand in Hand Insurance Co.	128 23	
	Merchants' Fire Insurance	242 39	
	Metropolitan Fire Insurance Co.	269 50	
	Millers' & Manufacturers' Insurance Co.	58 04	
	Monarch Cash Mutual Fire Insurance Co.	95 00	
	Perth Mutual Fire Insurance Co.	169 48	
	Peoples' Life Insurance Co.	532 10	
	Queen City Fire Insurance Co.	195 44	
	Standard Fire Insurance Co.	423 42	
	Traders' Fire Insurance Co.	183 58	
	Toronto Life Insurance Co.	127 50	
	Waterloo Mutual Fire Insurance Co.	308 41	
	Wellington Mutual Fire Insurance Co.	128 15	
	York Mutual Fire Insurance Co.	283 57	
			3,955 71
Miscellaneous	American Surety Co., of N.Y.	28 59	
	Accident & Guarantee Co., of Canada	20 37	
	Boiler Inspection & Insurance Co., of Canada	160 53	
	British & Foreign Marine Insurance Co.	51 13	
	Canada Accident Assurance Co.	136 59	
	Canadian Railway Accident Insurance Co.	469 38	
	Dominion Plate Glass Insurance Co.	68 35	
	Dominion Burglary Guarantee Co.	20 80	
	Dominion of Canada Guarantee & Acciden Insurance Co.	631 89	
	Employers' Liability Assurance Co.	717 97	
	Firemen's Fund Insurance Co.	80 70	
	Carried forward	2,386 30	111,801 32

No. 13.

STATEMENT OF REVENUE.---*Continued.*

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		$ c.	$ c.
	Brought forward	2,386 30	111,801 32
Miscellaneous	Guarantee Co., of North America	72 72	
	London Guarantee & Accident Co.	384 17	
	Lloyds' Plate Glass Insurance Co.	168 33	
	Mannheim Insurance Co.	48 12	
	Maryland Casualty Co.	14 98	
	New York Plate Glass Insurance Co.	19 32	
	Ontario Accident Insurance Co.	565 29	
	Ocean Accident & Guarantee Corporation	396 22	
	Reliance Marine Insurance Co.	3 35	
	Railway Passengers' Assurance Co.	18 79	
	Travellers' Insurance Co., of Hartford	162 90	
	Thames and Mersey Marine Insurance Co.	107 60	
	Union Marine Insurance Co.	48 52	
	United States Fidelity & Guaranty Co.	36 14	
			4,432 75
Loan Companies	Acme Loan & Savings Co.	108 55	
	Agricultural Savings & Loan Co.	410 15	
	Birkbeck Loan Co.	65 00	
	British Canadian Loan & Investment Co.	259 35	
	British Mortgage Loan Co., of Ontario	283 40	
	Brockville Loan & Savings Co.	130 00	
	Canada Landed & National Investment Co.	652 60	
	Canada Permament & Western Canada Mortgage Corporation	3,868 80	
	Canadian Birkbeck Investment & Savings Co	602 55	
	Canadian Homestead Loan & Savings Association	65 00	
	Canadian Savings Loan & Building Association	300 95	
	Canadian Savings & Loan Co., of London, Can.	487 50	
	Central Canada Loan & Savings Co.	812 50	
	Chatham Loan & Savings Co.	194 35	
	Colonial Investment & Loan Co.	1,674 40	
	Credit Foncier Franco-Canadien, for Ontario	337 35	
	Crown Savings & Loan Co.	129 35	
	Dyment Securities Loan & Savings Co.	423 15	
	Dominion Permanent Loan Co.	724 10	
	Dominion Savings & Investment Society	607 75	
	East Lambton Farmers' Loan & Savings Co.	110 50	
	Essex County Savings & Loan Co.	65 00	
	Frontenac Loan & Investment Society	130 00	
	Grey & Bruce Loan Co.	169 00	
	Guelph & Ontario Investment & Savings Society	288 60	
	Hamilton Mutual Building Society	65 00	
	Hamilton Provident & Loan Society	715 00	
	Home Building & Savings Association	12 35	
	Home Savings & Loan Co.	130 00	
	Huron & Bruce Loan & Investment Co.	117 65	
	Huron & Erie Loan & Savings Co.	910 00	
	Huron & Lambton Loan & Savings Co.	219 70	
	Imperial Loan & Investment Co., of Canada	478 40	
	Industrial Mortgage & Savings Co	287 95	
	Lambton Loan & Investment Co.	325 00	
	Carried forward	16,160 95	116,234 07

No. 13.

STATEMENT OF REVENUE.—*Continued.*

Under 62 Vic. Cap. 8, 63 Vic. Cap. 6.

From whom received.		$ c.	$ c.
	Brought forward	2,386 30	116,234 07
Loan Companies	Landed Banking & Loan Co.	455 00	
	London & Canadian Loan & Agency Co., of Canada	650 00	
	London Loan Co., of Canada	442 00	
	Midland Loan & Savings Co.	234 00	
	North British Canadian Investment Co.	316 55	
	Ontario Building & Savings Society	162 50	
	Ontario Loan & Debenture Co.	780 00	
	Ontario Loan & Savings Co.	195 00	
	Owen Sound Building & Savings Society	65 00	
	Oxford Permanent Loan & Savings Co.	157 30	
	Peoples' Building & Loan Association	234 65	
	Provident Investment Co.	65 00	
	Real Estate Loan Co., of Canada	243 10	
	Reliance Loan & Savings Co., of Ontario	599 95	
	Royal Loan & Savings Co.	325 00	
	Security Loan & Savings Co.	178 75	
	Simcoe Loan & Savings Co.	68 90	
	Southern Loan & Savings Co.	577 85	
	Standard Loan Co.	187 85	
	Stratford Building & Savings Society	82 55	
	Sun & Hastings Savings & Loan Co.	440 70	
	Toronto Land & Investment Corporation	158 60	
	Toronto Mortgage Co.	471 25	
	Toronto Savings & Loan Co.	650 00	
	Victoria Loan & Savings Co.	85 80	
	Walkerville Land & Building Co.	325 00	
	York County Loan & Savings Co.	1,051 05	
	Scottish-American Investment Co.	118 95	
	Scottish Ontario & Manitoba Land Co.	201 50	
	North of Scotland Canadian Mortgage Co.	474 50	
	Trust & Loan Co., of Canada	608 40	
			26,767 65
Trusts Companies	National Trust Co., of Ontario	1,335 00	
	Imperial Trust Co., of Canada	250 00	
	London & Western Trusts Corporation	315 00	
	Toronto General Trusts Corporation	1,335 00	
	Trusts & Guarantee Co.	770 00	
	Canada Trust Co.	315 00	
	Union Trust Co.	835 00	
			5,155 00
Banks	Bank of British North America	3,050 00	
	Canadian Bank of Commerce	4,075 00	
	Dominion Bank	2,800 00	
	Bank of Hamilton	3,050 00	
	Banque of Hochelaga	1,100 00	
	Imperial Bank of Canada	2,775 00	
	Merchants Bank of Canada	4,475 00	
	Metropolitan Bank	1,325 00	
	Bank of Montreal	3,700 00	
	Molsons Bank	3,075 00	
	Banque Nationale	850 00	
	Bank of Nova Scotia	1,200 00	
	Ontario Bank	2,025 00	
	Carried forward	33,500 00	148,156 72

No. 13.

STATEMENT OF REVENUE.—*Continued,*

Under 62 Vic. Cap. 8 ; 63 Vic. Cap. 6.

From whom received.		$ c.	$ c.
	Brought forward	33,500 00	148,156 72
Banks	Bank of Ottawa	2,775 00	
	Quebec Bank	1,450 00	
	Royal Bank of Canada	1,650 00	
	Standard Bank	1,675 00	
	Sovereign Bank of Canada	1,975 00	
	Traders' Bank of Canada	3,183 17	
	Bank of Toronto	2,950 00	
	Union Bank of Canada	2,725 00	
	Western Bank of Canada	859 88	
			52,743 05
Street Railways	Port Dalhousie, St. Catharines & Thorold Electric Railway	54 00	
	Sandwich, Windsor & Amherstburg Railway	110 00	
	Hamilton & Dundas Street Railway	13 63	
	London Street Railway	358 20	
	Hamilton, Grimsby & Beamsville Electric Ry.	30 00	
	Hamilton Street Railway	380 24	
	Kingston, Portsmouth & Cataraqui Electric Railway	120 54	
	Toronto & Mimico Electric Railway and Light Co	32 88	
	Toronto Railway	5,099 14	
	Toronto & Scarborough Electric Railway, Light and Power Co	76	
	Ottawa Electric Railway	804 68	
	Hamilton Radial Railway	48 48	
	Guelph Street Railway	110 00	
	Metropolitan Railway	5 68	
			7,168 23
Gas and Electric Light Co's	Toronto Electric Light Co	2,428 23	
	Incandescent Light Co	619 35	
	Brantford Gas Co	84 40	
	City Gas Co., London	240 00	
	Windsor Gas Co	50 00	
	St. Thomas Gas & Electric Light Co	80 00	
	Chatham Gas Co	99 00	
	Hamilton Electric Light & Power Co	250 00	
	London Electric Co	392 50	
	Ottawa Electric Co	994 00	
	Brantford Electric & Operating Co.	117 30	
	Hamilton Gas Light Co.	255 00	
	Kingston Electric Light, Heat & Power Co	70 64	
	Ottawa Gas Co	453 20	
	Stratford Gas Co	70 26	
	Consumers' Gas Co., Toronto	1,897 50	
	Trenton Electric & Water Co	40 00	
	Woodstock Gas Co	75 00	
	Lincoln Light & Power Co	145 25	
			8,361 63
Express Co's	American Express Co	925 00	
	Canadian Express Co	1,800 00	
	Dominion Express Co	1,675 00	
			4,400 00
	Carried forward		220,829 63

No. 13.

STATEMENT OF REVENUE.---*Continued.*

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		$ c.	$ c.
	Brought forward		220,829 63
Parlor Car Co	Pullman Palace Car Co		1,185 94
Natural Gas Co's	Provincial Natural Gas & Fuel Co	2,577 74	
	United Gas & Oil Co	1,698 55	
			4,276 29
Telegraph Co's	Dominion Telegraph Co	475 00	
	G.N.W. & Montreal Telegraph Cos	717 24	
	North American Telegraph Co	100 00	
			1,292 24
Telephone Co's	North American Telegraph Co	125 00	
	Bell Telephone Co	5,000 00	
			5,125 00
Railways	Bay of Quinte Railway	1,405 12	
	Thousand Islands Railway	94 95	
	Kingston & Pembroke Railway	1,654 00	
	Brockville, Westport & Sault Ste. Marie Railway	675 00	
	Central Ontario Railway	2,019 00	
	Canadian Northern Railway	7,070 00	
	Grand Trunk Railway	83,299 50	
	Canada Atlantic Railway	10,424 88	
	Nosbonsing & Nipissing Railway	82 50	
	Canada Southern Railway	11,465 70	
	Ottawa & New York Railway	825 00	
	Niagara, St. Catharines & Toronto Railway	285 00	
	Tilsonburg, Lake Erie & Pacific Railway	525 00	
	Lake Erie & Detroit River Railway	6,702 30	
	Toronto, Hamilton & Buffalo Railway	1,255 05	
	Canadian Pacific Railway	60,235 72	
			187,918 72
			420,627 82

C. H. SPROULE,
Provincial Auditor.

Provincial Auditor's Office,
Toronto, March 9th 1905.

No. 14.

CASUAL REVENUE.

From Whom Received.	Service.	$ c.	$ c.
Clerks of the Peace—			
Algoma	Fines and forfeitures	104 64	
Brant	do	35 95	
Carleton	do	862 66	
Essex	do	74 88	
Frontenac	do	52 25	
Huron	do	343 55	
Kent	do	528 20	
Lambton	do	19 20	
Lanark	do	9 31	
Lincoln	do	24 00	
Middlesex	do	1,186 92	
Manitoulin	do	27 55	
Muskoka	do	206 16	
Norfolk	do	20 00	
Nipissing	do	365 76	
Oxford	do	24 48	
Perth	do	30 17	
Peterborough	do	22 80	
Rainy River	do	8 64	
Renfrew	do	28 80	
Simcoe	do	13 95	
Victoria	do	20	
Waterloo	do	392 00	
Welland	do	134 40	
Wellington	do	4 00	
Wentworth	do	5 00	
York	do	5 00	
E. Cruickshank, P.M., Niagara Falls	do	63 00	
Wm. Young, P.M., Rat Portage	do	592 00	
C. J. Hollands, P.M.	do	165 00	
L. A. Smith, P.M.	do	209 26	
W. M. Horsey, P.M., Bowmanville	do	7 00	
W. A. Quibell, P.M., Sudbury	do	56 00	
Thos. Rice, P.M., Dunnville	do	7 00	
D. J. Lynch, P.M., Campbellford	do	5 00	
G. F. Jelfs, P.M., Hamilton	do	40 00	
A. E. Watson, J.P., Ayr	do	25 00	
Jas. Laird, J.P., Caledonia	do	50 00	
A. S. Vandusen, J.P., Flesherton	do	20 00	
John Gardiner, J.P., Wahnapitae	do	262 00	
F. Norris, J.P., Sault Ste. Marie	do	21 00	
Geo. Menzies, P.C.C., Owen Sound	do	46 50	
W. P. Lett, P.C.C., Ottawa	do	595 00	
C. Morrison, P.C.C., Toronto	do	100 00	
W. J. Keating, Mayor, Fort Frances	do	5 00	
Bursar, Central Prison	do	141 88	
Sheriff Varin	do	45 00	
Sheriff Hawley	do	95 00	
Thos. Keilty, Factories Insp'r	do	11 00	
Thos. Penfold, Port Arthur	do	17 60	
James Meek	Jury fees	3 00	
E. Jordan	do	7 50	
T. J. Bourke	do	18 00	
W. H. Carney	do	15 00	7,153 21
Counties Crown Attorney	Surplus fees, 57 Vic. cap. 9, Secs. 8 & 9	270 99	
Registrars of Deeds	do 57 Vic. cap. 9, sec. 4	1,759 08	
Local Registrars, H. C. J.	do do	2,124 61	
County Court Clerks	do do	263 27	
Surrogate Registrars	do do	4,528 12	
Clerks Division Court	do do	5,903 90	14,849 97
Carried forward ...	.....	.....	22,003 18

No. 14.

CASUAL REVENUE.—*Concluded.*

From whom received.	Service.	$ c.	$ c.
	Brought forward		22,003 18
Insurance Branch	Ontario Insurance Act—		
	Insurance Companies' Register	—18,520 13	
	Friendly Society do	769 00	
	Miscellaneous	433 00	
			19,722 13
	Loan Corporations Act—		
	Loan Companies Register	6,875 00	
	Loaning Land do do	550 00	
	Trusts Companies do	1,225 00	
	Miscellaneous do	728 60	
			9,378 60
Provincial Game Warden	Deer hunters' licenses, 1903	56 25	
	do do 1904	9,497 82	
	Non-resident do	6,665 80	
	Moose do 1903	4 80	
	do do 1904	639 52	
	Game Dealers' do	422 00	
	Hotel and Cold Storage licenses	157 00	
	Fines and confiscations	1,680 46	
			19,123 65
Sundry persons	Circus licenses		2,830 00
Counties Treasurer	Removal of lunatics		3,392 45
Clerk Legislative Assembly	Private bills		8,700 15
Warwick Bros. & Rutter	Ontario *Gazette*		4,799 31
King's Printer	Sale of Statutes		1,065 60
	do Rules of Practice		65 80
Librarian L. A.	Sundry persons—lost books		7 30
Grand Trunk R. R.	Rent of old Parliament buildings land		6,000 00
Department Trade and Commerce	*Re* Chinese immigration		6,000 00
London G. & A. Co.	*Re* bond 01,847 in *re* J. F. J. Cashman		118 17
W. H. Carney	Refund, rent allowance, 1903		50 00
Public Works Dept.	do *re* Rainy River bridges		47 11
Estate Melvin Maynard	*Re* Sec. 10, Cap. 70, R. S. O., 1897	2,346 56	
do Carl Bundstrom	do	314 65	
do Caroline Heron	do	220 39	
			2,881 60
E. A. Maclaurin	Escheated Estate		4 00
W. H. Sutherland	Refund C. V. 391, of 1902		8 44
Public Works Dept.	Lease corner Queen & Shaw & Massey Sts		50 00
do	Sale Toronto School of Medicine Building		750 00
do	Sale old timber at Lindsay		30 00
H. H. Dewart	Refund *re* expenditure of 1896		75 20
Attorney General	Refund *re* Fawkes v. Attorney General V. 3,175 of 1902		407 68
			107,510 37
	Less payments to claimants *re* deposits in 1902 & 1903 by Irondale Ry		159 23
			$107,351 14

PROVINCIAL AUDITOR'S OFFICE,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 15.

GOVERNMENT STATIONERY OFFICE.

——	——	$ c.	$ c.
	Balance of stock on hand, 31st December, 1903		7,303 89
Davis & Henderson	Stationery and envelopes	326 33	
do	Paper	122 10	
Bunnin, Reid & Co.	do	2,960 97	
Barber & Ellis Co.	do	73 75	
do	Stationery and envelopes	2,383 01	
Brown Bros.	do	4,689 66	
Hunter, Rose & Co.	Pads, scrap books, etc.	741 20	
Newsome & Co.	Stationery	29 15	
do	Supplies	14 25	
Grand & Toy	Stationery, blank books, &c	624 95	
Kilgour Bros.	Paper and envelopes	1,739 35	
do	Toilet paper	199 70	
Rolph & Clark	Paper	29 00	
O. B. Stanton	do	152 15	
do	Stationery and blank books	98 55	
Donald Bain & Co.	do do	796 75	
Bain & Cubitt	do do	211 25	
Rose Publishing Co.	Blank books and pads	242 39	
do	Typewriter paper	24 00	
Carbon Mfg. Co.	Carbon paper	12 00	
A. D. Fisher	do	47 25	
Office Specialty Co.	Indexes	14 80	
Warwick Bro's & Rutter	Paper	3,710 85	
Hart & Riddell	Embossing	7 50	
do	Tracing cloths, tubes, &c.	157 30	
do	Letter books, stationery, &c	128 50	
J. Davis & Co.	Pens	15 00	
Wm. Tyrrell & Co.	do	3 00	
United Typewriter Co.	Typewriter supplies	218 43	
Canadian Typewriter Co.	do	339 77	
Remington Typewriter Co.	do	3 50	
Dominion Typewriter Co.	do	69 00	
Smith Premier Typewriter Co.	do	75	

——	$ c.	$ c.
Distribution for eleven months ended September 30th, 1904:		
Civil Government:		
Attorney-General's Department, stationery	218 38	
do paper	63 30	
Education Department, stationery	596 03	
do paper	32 73	
Crown Lands Department, stationery	2,005 82	
do paper	574 40	
do Military Grants, stationery	278 75	
do do paper	38 15	
Bureau of Mines, stationery	243 59	
do paper	11 73	
Colonization and Forestry, stationery	76 15	
do paper	3 90	
Public Works Department, stationery	358 53	
do paper	90 16	
Good Roads, stationery	28 30	
do paper	31 80	
Labor Bureau, stationery	66 71	
do paper	9 82	
Colonization Roads, stationery	39 20	
do paper	45 82	
Fisheries, stationery	211 97	
do paper	122 47	
Game Protection, stationery	37 44	
do paper	91 91	
Treasury Department, stationery	398 23	
do paper	82 19	
Succession Duty Office, stationery	146 17	
do paper	83 77	
Audit Office, stationery	139 06	
do paper	41 39	
Provincial Secretary's Department, stat'nry	975 35	

No. 15.—GOVERNMENT STATIONERY OFFICE.—*Continued.*

——	——	$ c.	$ c.
National Typewriter Co...	Typewriter supplies.....	10 50	
Newsome & Gilbert.....	do	30 00	
C. Gripton.....	Rubber stamps & supplies.	12 25	
Carswell & Co.....	Law books.....	21 00	
do	Legal diaries.....	3 00	
Canada Law Book Co.....	Dictionary.....	22 00	
Can. Tag & Label Pt'g Co.	Legal seals.....	27 00	
Rice Lewis & Son	Letter scales.....	8 30	
Hobbs Hardware Co.....	Knives	269 55	
do	Shears.....	103 68	
G. J. Castle.....	Copy holders.....	17 50	
Wm. Younger.....	Paper baskets.....	5 25	
Art Metropole.....	Brushes, paints, etc.....	16 29	
do	Surveyors' supplies.....	34 07	
O. S. James.....	Paste.....	26 52	
Wright's Express Co.....	Cartage.....	25	
		20,816 32	
	Less received from sales of stationery	55 60	
			20,760 72
			28,064 61

——	$ c.	$ c.
Civil Government.—*Continued.*		
Provincial Secretary's Department, paper.	293 46	
Inspector of Prisons, stationery.....	89 19	
do paper.....	55 05	
Audit of License and Justice Accts, stat'n'ry	199 56	
Registrar-General, stationery.....	414 00	
do paper.....	82 95	
Provincial Board of Health, stationery....	159 77	
do paper.....	14 54	
Department of Agriculture, stationery....	330 51	
do paper.....	49 66	
Factory Inspection, stationery.....	64 45	
do paper.....	85 26	
Insurance Branch, stationery.....	141 54	
do paper.....	43 54	
Neglected Children's Branch, stationery..	119 82	
do paper.....	29 92	
King's Printer, stationery.....	9 25	
do paper	9 14	
Municipal Auditor, stationery.....	10 35	
do paper	4 83	
		9,350 01
Legislation—		
Stationery, printing and binding, stationery	2,252 47	
Expenses, stationery	458 49	
do paper	9 95	
		2,720 91
Administration of Justice—		
Supreme Court, stationery	288 94	
do paper	3 60	
Appeal Court, stationery	152 60	
do paper	25 71	
High Court, stationery	64 48	
do paper	25 66	
Central Office, stationery	196 04	
do paper	2 18	
Registrar's Office, stationery	351 25	
do paper	21 94	

Administration of Justice—*Continued.*		
Weekly Court, stationery	5 20	
Surrogate Office, stationery	48 95	
do paper	17 86	
Division Courts, stationery	53 13	
do paper	22 07	
Land Titles Office, stationery	114 41	
do paper	1 29	
Local Masters of Titles, stationery	461 98	
do paper	74 37	
Legal Offices, stationery	50 89	
do paper	4 98	
Drainage Trials Act, stationery	98 68	
District Algoma, do	271 25	
do Thunder Bay, do	92 50	
do Nipissing, do	102 00	
do Manitoulin, do	11 50	
do Parry Sound, do	54 00	
do Rainy River, do	52 00	
do Muskoka, do	167 87	
		2,837 33
Education—		
Art Schools, stationery	44 00	
do paper	54 17	
Poor and District Schools, paper	15 16	
Continuation Classss, paper	13 04	
Rural Schools, paper	1 40	
Kindergarten Schools, paper	1 29	
Inspection of Schools, stationery	50 00	
do paper	38 92	
Departmental Examinations, stationery	794 90	
do paper	177 04	
Ontario Normal College, stationery	18 57	
do paper	1 40	
Miscellaneous, Education, stationery	244 40	
do paper	363 16	
Normal and Model Schools, Toronto, stationery	191 18	
Normal and Model Schools, Toronto, paper	34 16	
Normal and Model Schools, Ottawa, stationery	157 65	

No. 15. GOVERNMENT STATIONERY OFFICE. *Continued.*

—	—	$ c.	$ c.	—	$ c.	$ c.
				Education—*Continued.*		
				Normal and Model Schools, Ottawa, paper	7 06	
				Normal and Model Schools, London, stationery	5 84	
				Normal and Model Schools, London, paper	2 50	
				High Schools and Collegiate Institutes, stationery	54 34	
				High Schools and Collegiate Institutes, paper	6 89	
				Library and Museum, stationery	13 62	
				do paper	13 81	
				Public Libraries, stationery	28 13	
				do paper	18 80	
				School Practical Science, stationery	273 93	
				do paper	8 53	
				Technical Education, paper	2 57	
						2,636 46
				Public Institutions Maintenance—		
				Asylum for Insane, Toronto stationery	99 78	
				do do paper	46 91	
				do London, stationery	24 50	
				do Mimico, do	174 72	
				do do paper	35 09	
				do Penetang, stationery	13 85	
				do do paper	60 04	
				Asylum for Idiots, Orillia, stationery	21 50	
				do do paper	4 07	
				Central Prison, Toronto, stationery	84 74	
				do do paper	17 78	
				Deaf and Dumb Institution, Belleville, stationery	71 00	
				Blind Institution, Brantford, paper	13 44	
				Mercer Reformatory, Toronto, stationery	53 90	
				do do paper	25 13	
						746 45

		Colonization and Immigration, stationery	55 00	
		do paper	23 18	
				78 18
		Agriculture—		
		Farmers' Institutes, stationery	171 21	
		do paper	15 24	
		Incidentals, stationery	1,309 04	
		do paper	72 39	
		San Jose Scale, paper	4 50	
		Bureau of Industries, stationery	219 85	
		do paper	79 93	
				1,872 16
		Repairs and Maintenance—		
		Parliament Buildings, toilet paper		50 00
		Charges Crown Lands—		
		Agents' salaries, stationery	30 53	
		Forest Reserves, do	12 70	
		do paper	9 40	
		Rondeau Park, do	70	
		Algonquin Park, stationery	24 10	
		do paper	1 40	
				78 83
		Miscellaneous—		
		Charges on Revenue, stationery	36 70	
		do paper	187 88	
		Expenses of Elections, stationery	18 15	
		do paper	7 80	
		Fire Loss, stationery	14 75	
		do paper	71 23	
		Railway Commission, stationery	26 95	
				363 46
				20,733 79
		Balance stock on hand		7,330 82
Total	28,064 61	Total		28,064 61

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 16.

STATEMENT showing amounts payable annually for Certificates issued by the Treasurer of the Province for "Aid to Railways" and Annuities.

Year.	Railway Aid Certificates.	Annuities.	Year.	Railway Aid Certificates.	Annuities.
	$ c.	$ c.		$ $	$ $
1905	120,860 68	102,900 00	*Forward*	2,538,074 28	2,133,800 00
1906	120,860 68	102,900 00	1926	120,860 68	69,350 00
1907	120,860 68	102,900 00	1927	120,860 68	56,950 00
1908	120,860 68	102,900 00	1928	120,860 68	50,700 00
1909	120,860 68	102,900 00	1929	120,860 68	50,700 00
1910	120,860 68	102,900 00	1930	120,161 08	50,700 00
1911	120,860 68	102,900 00	1931	116,663 08	43,700 00
1912	120,860 68	102,900 00	1932	109,667 08	32,700 00
1913	120,860 68	102,900 00	1933	106,868 68	28,700 00
1914	120,860 68	102,900 00	1934	104,769 88	28,700 00
1915	120,860 68	102,900 00	1935	92,876 68	24,700 00
1916	120,860 68	102,900 00	1936	86,838 15	16,700 00
1917	120,860 68	102,900 00	1937	76,207 94	9,200 00
1918	120,860 68	102,900 00	1938	72,709 94	2,850 00
1919	120,860 68	102,900 00	1939	67,870 49	
1920	120,860 68	102,900 00	1940	63,987 16	
1921	120,860 68	102,900 00	1941	49,691 89	
1922	120,860 68	102,900 00	1942	13,566 54	
1923	120,860 68	102,900 00	1943	6,668 65	
1924	120,860 68	96,200 00	1944	4,443 22	
1925	120,860 68	82,500 00			
Forward	2,538,074 28	2,133,800 00	Totals	4,114,507 46	2,599,450 00

NOTE. Present value of Railway Certificates (interest 1¾ per cent. half yearly) ..$2,425,411.16
do Annuities do 1¾ do .. 1,699,352.32

PROVINCIAL AUDITOR'S OFFICE,
TORONTO, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 17.

LIABILITIES OF THE PROVINCE.

(1) Debts due to Dominion as settled by arbitration, with the exception of claim as under Indian Treaty, No. 3, in dispute			1,737,190 72
NOTE.—17th Award, see Sessional Paper No. 58, 1901. Payments have since been made to Dominion on account of C. S. Fund, reducing amount mentioned in award.			
(2) Treasury Bills issued for six months due on the 15th May, 1905, on account Temiskaming Railway, £1,200,000...			5,840,004 00
STATEMENT—SALE OF TREASURY BILLS.			
Interest at 2 per cent. for six months on £1,200,000 ; £24,000 at par	116,800 08		
½ per cent, commission on £1,200,000= £1,500 at par	7,300 00		
Charges for stamps, £594	2,890 79		
Cost of exchange, difference between 9½ and 9⅝	6,525 64		
Total costs re sale of Treasury Bills	133,516 51		
November 30th, 1904, credited to Temiskaming Railway Commission by the Imperial Bank	5,706,487 49		
£1,200,000 at par of Ex	5,840,004 00		
(3) Railway Certificates present value, outstanding on the 31st December, 1904		2,425,411 16	
Annuities Certificates present value, outstanding on the 31st December, 1904 (see Statement No. 16)		1,699,352 32	4,124,763 48
(4) Common School Fund collections by Ontario from 1st January, 1904, payable to the Dominion in trust for both Provinces			7,692 67
In trust for Ontario, $4,382 40			
" " Quebec, $3,310 27			

INDIRECT LIABILITIES OF THE PROVINCE AND GUARANTEES.

(1) Algoma Central and Hudson Bay Railway and Associated Industries Guarantee Loan, payable 1st May, 1906 (4 Edw. VII., c. 19)		2,000,000 00	
NOTE.—The Government has as security for this guarantee certain 1st mortgage bonds, income bonds and stock of the Lake Superior Corporation, and the stock and bonds of the Algoma Central and Hudson Bay Railway Co., and of the Manitoulin and North Shore Railway Co., and a promissory note for $725,000 secured by mortgage on certain steamships and vessels of the Algoma Central Railway Company.			
(2) Niagara Falls Park Bonds—(50 Vic. c. 13).. 525,000 00 (57 Vic. c. 13).. 75,000 00		600,000 00	
NOTE.—The income of the Park Commission from lease of power, etc., was sufficient to pay all maintenance and interest charges and leave a balance of about $15,000 (in 1904) available for capital expenditures, which balance will be much exceeded in future.			2,600,000 00

TRUST FUNDS OF THE PROVINCE HELD BY THE DOMINION:—

Upper Canada Grammar School Fund. 2 Vic., c. 10, and 250,000 acres of land allotted to it	312,769 04	
Upper Canada Building Fund (under the 18th section, Act 1854.) Seignorial tenure set apart for local purposes in Upper Canada	1,472,391 41	
Land Improvement Fund, being one-fourth of the collection on account of Common School Lands sold between the 14th day of March, 1853, and the 6th day of June, 1861, as per award	124,685 18	
Common School Fund (see Consolidated Statutes, c. 26), 1,000,000 acres set apart (proceeds realized to 31st December, 1903), after deducting Land Improvement Fund $2,571,908.57, portion belonging to Ontario as per population of 1901	1,465,179 33	
NOTE.—See Awards, Sessional Papers 1900 and 1901.		3,375,024 96

CASH AND DEBENTURE ASSETS OF PROVINCE.

Bank Balances:—		
Current Account	142,288 96	
Special deposits bearing interest	2,713,295 59	
Debentures:—		
Drainage Debentures	53,111 73	
Tile Drainage Coupons	75,359 30	
Municipal Drainage Assessment	2,332 64	
Sault Ste. Marie Debentures	25,572 50	
		3,011,960 72

TEMISKAMING RAILWAY ACCOUNT.

Balance cash on hand 31st December, 1904, available for construction of railway	1,354,686 02

EXPENDITURE STATEMENT

STATEMENT OF THE EXPENDITURE by the Treasurer of Ontario during the year ended 31st December, 1904.

CIVIL GOVERNMENT.

LIEUTENANT-GOVERNOR'S OFFICE.

SALARIES ($2,170.00).

F. C. Law:	Twelve months' salary as	Official Secretary	$1,200 00
Allan Magee:	do	A. D. C. to Lieut-Governor	400 00
F. B. Reade:	One do	Stenographer	30 00
Thos. Lymer:	Twelve do	Messenger	540 00

EXPENSES ($1,500.00).

F. C. Law: To pay sundries	1,500 00

EXECUTIVE COUNCIL AND ATTORNEY-GENERAL'S DEPARTMENT.

SALARIES ($16,010.00).

Hon. J. M. Gibson:	Ten and one-third months' salary as	Attorney-General	3,577 12
Hon. F. R. Latchford:	One and two-third do	do	422 88
J. R. Cartwright:	Twelve months' salary as	Clerk Ex. Council and Dep. Att.-Gen.	3,500 00
J. Lonsdale Capreol:	do	Assistant Clerk Ex. Council	1,800 00
A. M. Dymond:	do	Law Secretary of Department	800 00
M. Currey:	do	Clerk and Attorney-General's Secretary	1,500 00
A. Mennie:	do	do and Assistant	360 00
C. A. Fitch:	do	do and Stenographer	1,150 00
Wm. Marseilles:	do	do do	1,000 00
C. F. Bulmer:	do	do do	900 00
C. H. Chase:	do	Messenger and Caretaker	1,000 00

EXPENSES ($1,940.93).

Warwick Bros. & Rutter: Printing and binding, 42.64; Riordon Paper Mills, .25	42 89
Stamping: Rolph Smith & Co, 14.75; Rolph Clark Co, 5.00	19 75
Hart & Riddell: Embossing, 10.00; L. K. Cameron: Stat., 218.38; paper, 63.30	291 68
Mrs. Hubertus: Postage stamps, 325.00; Postmaster: Unpaid postage, 2.47	327 47
Bell Telephone Co.: Messages, 61.25; G. N. W. Tel. Co.: Telegrams, 136.33	197 58
C. P. R. Telegraph: Telegrams, 117.26; Might Directories: Directories, 12.00	129 26
H. Vernon: Hamilton Directory, 2.50; Can. Legal Pub. Co.: Legal charts and law lists, 13.50	16 00
Toronto Ry. Guide: Copies Guide, 5.00; Circuit Guides, 3.00	8 00
Annual Review: Copies	9 00
E. Thompson Co.: Encyclopædias	18 00
Law Books: Carswell Co, 94.15; J. Lovell & Son, 11.00; Can. Law Book Co., 53.50	158 65
C. Gripton: Stamps and repairs, 8.35; Can. Typewriter Co.: Supplies and rep., 3.41	11 76
United Typewriter Co.: Typewriter, 112.50; Remington Typewriter Co.: Supplies, .50	113 00
Brown Bros.: Mimeograph, 42.50; G. A. Boomer; Copy judgment, Berlin v. Waterloo, 1.40	43 90
R. S. Cassels: Copy judgment, Grattan v Ottawa School Trustees	1 50
W. Greenwood: Reng. office wheel, 3.35; Doane Bros.: Cab hire, 9.75	13 10
G. Verral: Cab hire, 80.25; P. Maher: Cab hire, 52.00; J. J. O'Leary: Cab hire, .50	132 75
Can. Express Co.: Charges, 2.04; Dom. Express Co.: Charges, 5.05	7 09
Wright Cartage Co.: Cartage, .25; Toronto Ry. Co.: Car tickets, 27.00	27 25
Hon. J. M. Gibson: Trav. expenses, 113.00; M. Currey: Trav. expenses, 4.00	117 00
C. A. Fitch: Trav. expenses, 12.35; Petty office exp., 10.00	22 35
Can. Law Socy.: Certificate, Deputy Atty.-General, 17.00; Sundry persons: Messenger service, 5.00	22 00
Sundry newspapers: Subscriptions	210 95

CIVIL GOVERNMENT.—*Continued.*

EDUCATION DEPARTMENT.

SALARIES ($18,987.00).

Hon. R. Harcourt:	Twelve months'	salary as Minister of Education	4,000 00
Jno. Millar:	do	Deputy Minister of Education	2,600 00
H. R. Alley:	do	Clerk and Minister's Secretary	1,500 00
J. T. R. Stinson:	Seven do	Clerk	787 00
H. M. Wilkinson:	Twelve do	do and Accountant	1,400 00
A. C. Paull:	do	do	1,250 00
F .N. Nudel:	do	do	1,100 00
R. J. Bryce:	do	do	900 00
T. J. Greene:	do	do	850 00
T. F. Callaghan:	do	do	1,250 00
E. A. Faulds:	do	do	900 00
Allen Ker:	do	do and Stenographer	800 00
S. B. Shields:	do	Stenographer	500 00
F. Woodley:	do	Clerk	600 00
L. McCorkindale:	do	Caretaker	550 00

EXPENSES ($2,977.12).

Warwick Bros. & Rutter: Ptg. and binding, 227.76; Hart & Riddell: Embossing, 1.25	229 01
Stamping: Rolph Smith & Co., 25.17; Rolph Clark Co, 12.50	37 67
W. Briggs: Binding, 2.75; L. K. Cameron: Staty., 596.03; paper, 32.73	631 51
Riordon Paper Mills: Paper, 64.05; Office Specialty Co: Staty., .60	64 65
Stationery: Brown Bros., 3.55; J. M. Gordon, 1.00	4 55
Sundry newspapers: Subscriptions, 38.35; Advertising, 15.00	53 35
W. McMaster: Postage stamps, 425.00; Postmaster: Unpaid postage, 8.50	433 50
G. N. W. Tel. Co.: Telegrams, 43.72; C. P. R. Telegraph: Telegrams, 23.75	67 47
Bell Telephone Co.: Messages, 10.65; Might Directories: Directories, 18.00	28 65
Can. Legal Pub. Co.: Law list, 6.00; Dept. Public Ptg.: Postal guides 2.40	8 40
Annual Review: Subscription, 3.00; Carswell Co.: Law books, 5.00	8 00
Books: Bain Book Co., .80; Copp Clark Co., 2.16; J. W. Allen, 2.90; W. Briggs, 3.49; J. R. Long, 2.00; Morang & Co., 1.05	12 40
Repairs and Supplies: Can. Typewriter Co., 2.00; Newsome & Gilbert, 10.75; Remington Typewriter Co., 8.00; Newsome & Co., 13.85; National Typewriter Co., 4.50; United Typewriter Co., 4.00	43 10
C. Gripton: Stamp and supplies, 6.55; Parsons-Irons Co.: Stamp and supplies, 5.30	11 85
Superior Mfg. Co.: Stamp supplies	1 00
Aikenhead Hardware Co.: Erasers, 2.23; Trunk & Leather Goods C.: Bag for papers, 6.00	8 28
A. J. Reading: Photo supplies, 5.00; Registrar East Toronto: Abstract title, 3.90	8 90
Doane Bros.: Cab hire, 33.25; G. Verral: Cab hire, 11.00	44 25
Dom. Express Co.: Charges, 3.05; Can. Express Co.: Charges, 12.25	15 30
Wright& Podger: Cartage, 7.85; Rapid Delivery Co.: Cartage 2.10	9 95
Can. Transfer Co.: Cartage, .25; C. M. Richardson: Cartage, 15.25	15 50
G. T. Ry. Co.: Freight charges, .50; Toronto Ry. Co.: Car tickets, 33.25	33 75
Hon. R. Harcourt: Trav. exp., 241.50; John Millar: Trav. exp., 94.75	336 25
do allowance, trav. exp. to England	600 00
W. H. Jenkins: Trav. expenses, 3.60; British Ass'n Advancement Science: Fees, 4.97	8 57
C. Wilkinson: Stenog. at 8.00 per week, 32.00; W. Lemon: Messenger at 3.00 per week, 39 00	71 00
H. F. Taylor: Phone boy, 18.00; M. Hazard: Services 7.00 per week, 64.16	82 16
A. C. Casselman:: Allce. extra services, 100.00; L. McCorkindale: Petty off. exp. 1.60	101 60
Sundry persons: Messenger service	6 50

CROWN LANDS DEPARTMENT.

SALARIES ($45,347.95).

Hon. E. J. Davis:	Ten and one-third months'	salary as Commissioner	$3,577 12
Hon. A. G. MacKay:	One and two-third	do do	422 88
Aubrey White:	Twelve months'	salary as Assistant Commissioner	3250 00
Geo. Kennedy:	do	Law Clerk	2,200 00
Geo. W. Yates:	do	Clerk and Minister's Secretary	1,300 00
Selby Draper:	do	Secretary to Assistant Commissioner	1,000 00

CIVIL GOVERNMENT.—*Continued.*

CROWN LANDS DEPARTMENT.—*Continued.*

LAND SALES AND FREE GRANTS.

J. J. Murphy:	Twelve months' salary as	Chief Clerk	1,900 00
E. S. Williamson:	do	Clerk	1,400 00
W. R. Ledger:	do	do	900 00
Walter Cain:	do	do	900 00
R. H. Browne:	do	do Military Grants	1,200 00
R. T. Winter:	do	do do	650 00
M. Bengough:	do	Stenographer	550 00

SURVEYS AND PATENTS.

G. B. Kirkpatrick:	Twelve months' salary as	Director	2,200 00
J. F. Whitson:	do	Draughtsman and Surveyor	1,400 00
D. G. Boyd:	do	do do	1,200 00
C. S. Jones:	do	Clerk of Patents and Inspector of Agencies	1,650 00
W. F. Lewis:	do	do	1,000 00
E. M. Jarvis:	do	do	800 00
J. B. Proctor:	do	do	800 00
C. E. Burns:	do	do	800 00

WOODS AND FORESTS BRANCH.

J. A. C. Crozier:	Twelve months' salary as	Chief Clerk	1,800 00
K. Miller:	do	Clerk	1,100 00
J. B. Cook:	do	do	1,250 00
H. D. Gillard:	do	do	850 00
F. J. Niven:	do	do	800 00
W. S. Sutherland:	do	do	1,000 00
H. M. Lount:	Ten do	do	625 00
W. F. Trivett:	Twelve do	do	750 00

ACCOUNTS BRANCH.

D. G. Ross:	Twelve months' salary as	Accountant	1,850 00
E. Leigh:	do	Clerk	1,200 00
M. J. Ferris:	do	do	1,100 00
A. E. Robillard:	Eight and two thirds	do	556 29
H. M. Lount:	Two do	do	166 66
Frank Yeigh:	Twelve do	Registrar	1,500 00
H. Cartwright:	do	Clerk	1,100 00
H. Brophy:	do	Messenger and Caretaker	600 00

EXPENSES ($16,927.39.)

Warwick Bros. & Rutter: Ptg. and binding, 1,189.59; Riordon Paper Mills: Paper, 80.27	1,269 86
L. K. Cameron: Staty., 2,005.82; Paper, 612.55	2,618 37
Grand & Toy: Staty., 7.25; Rolph Smith Co: Stamping, 30.00	37 25
Rolph Clark Co.: Stamping, 48.50: Rolla L. Crain Co.: Ledger leaves, binders, etc., 88.00	136 50
T. Henry: Blue print paper, 44.85; W. McMaster: Postage stamps, 1,243.67	1,288 52
Postmaster: Unpaid postage, 19.84; C. Gripton: Rubber stamps and reps., 42.60	62 44
Can. Typewriter Co.: reps. and supplies, 12.25; United Typewriter Co.: exch. on machine, 70.00	82 25
Remington Typewriter Co.: reps. and supplies, 24.30; D. Startup: repg. letter press, 1.25	25 55
G. N. W. Tel. Co.: Telegrams, 60.75; C. P. R. Telegraph: Telegrams, 268.38	329 13
Bell Tel. Co.: Messages, 59.10; Dept. Pub. Ptg.: Gazette, 4.00	63 10
Might Directories: Directories, 22.00; Circuit Guide: Copies Guide, 2.00	24 00
Toronto Ry. Guide: Copies Guide, 5.00; Can. Legal Pub. Co.: Legal charts and law lists, 15.00	20 00
Annual Review: Subscription, 6.00: Outlook: Subscription, 4.75	10 75
Can. Law Book Co.: Law books, 4.00; Carswell Co.: Law books, 5.00	9 00
J. Lovell & Son: Law books, 3.00; M. J. Overell: Day calculator, 4.00	7 00

CIVIL GOVERNMENT.—*Continued.*

CROWN LANDS DEPARTMENT.—*Continued.*

EXPENSES.—*Continued.*

Scarboro Co.: Atlas, 15.00; Rand McNally & Co.: Atlas, 30.00	45 00
Grand & Toy: Int. tables	10 00
Sundry newspapers: Advertising, 265.89; Subscriptions to periodicals, 267.08	532 97
Association Ont. Land Surveyors: Fees, 8.00; C. Tarling & Co.: Mounting maps, 254.30	262 30
Art Metropole: Surveyors' supplies	2 00
Copp Clark Co.: 5,050 maps R. R. dist., 240.00; 5,000 maps part of Nipissing, 361.00; 250 maps, Timber berth A, 47.50; 3,000 maps Nipissing, 432.00; 1,000 maps Northern Ontario, 397.00; 500 maps Sudbury, 17.50	1,495 00
Steinberger Hendry Co.: 23 maps Ontario	56 25
D. C. Maclennan: Map of tps. in St. Lawrence (1786)	200 00
M. Thomas: Cartage, .50; Wright Cartage Co.: Cartage, 2.40	2 90
Dom. Express Co.: Charges, 156.12; Can. Express Co.: Charges, 31.40	187 52
Doane Bros.: Cab hire, 36.25; G. W. Verral: Cab hire, 3.00	39 25
P. Maher: Cab hire, 29.50; McElroy Bros.: Cab hire, 1.75	31 25
Travelling expenses: Hon. E. J. Davis, 203.85; C. S. Jones, 109.75; Aubrey White, 28.00; G. W. Yates, 13.05; G. B. Kirkpatrick, 82.71; E. S. Williamson, 8.00; J. J. Kelly, 12.00	457 36
Toronto Railway Co.: Car tickets	60 00
W. J. Carrell: Twelve months' salary as Clerk	900 00
J. J. Kelly: Services Clerk 2.50 per day, 785.00; D. Ross: Services Clerk 2.00 per day, 672.00	1,457 00
R. H. Hodgson: Services Clerk 2.00 per day, 174.00; at 13.00 per week, 453.15 at 700.00 per annum, 73.88	701 03
M. H. W. Kirkland: Services Stenog. at 10.00 per week, 468.57; at 400.00 per annum, 41.10	509 67
F. Samuels: Services office boy, at 3.50 per week, 120.00; at 4.00 per week, 53.00 at 5.00 per week, 43.32	216 32
Services 2.00 per day: E. A. Miller, 4.00; A. B. Rankin, 24.00; A. F. Malloy, 108.00; J. J. Matheson, 96.00; L. G. Ireland, 180.00 E. C. Dickson, 102.00; H. N. Baker, 72.00	586 00
M. C. Jaffray: Stenog. at 10.00 per week, 310.00; Alex. Niven: Examining field notes, 100.00 month, 600.00	910 00
H. L. Esten: Tracing plans, etc., 198.40; Can. Forestry Ass'n: Fees, 2.00	200 40
G. W. Yates: Transcript of evidence re King v. Larose, 188.10; Sundry persons: messenger service, 14.00	202 10
F. J. Apjohn: Registration fees	44 00
Military Grants: Warwick Bros. & Rutter: Printing and binding	147 45
Clark Litho Co.: Stamping, 100.00; Rolph, Smith & Co.: Stamping, 15.63	25 00
Clark Litho. Co: Stamping, 10.00; Rolph Smith & Co.: Stamping, 15.63	25 63
L. K. Cameron: Staty., 278.75; United Typewriter Co.: Rent of machine 12.00	290 75
W. McMaster: Postage stamps	317 12
Stenog. at 10.00 per week: E. F. O'Neill, 500.00; E. M. Browne, 500.00	1,000 00
R. T. Winter: Services as clerk at 2.00 per day	54 00

BUREAU OF MINES.

SALARIES ($4,700.00).

T. W. Gibson:	Twelve months' salary as	Director of Mines and Secretary of Parks,	
W. E. H. Carter:	do	Secretary	1,300 00
A. Moffatt:	do	Clerk and Stenographer	500 00
Jules Ferry:	do	do	400 00

EXPENSES ($2,832.40).

Warwick Bros. & Rutter: Printing and binding, 489.34; Rolph, Smith & Co.: Stamping, 14.38	503 72
Riordon Paper Mills: Paper, 464.20; W. McMaster: Postage stamps, 141.48	605 68
L. K. Cameron: Staty., 243.59; Paper, 11.73; United Typewriter Co.: Rent of typewriter, 44.00	299 32
National Typewriter Co.: Repairs and supplies, 3.75; Can. Legal Pub. Co.: Law list, 3.00	6 75

CIVIL GOVERNMENT.—*Continued.*

BUREAU OF MINES.—*Continued.*

EXPENSES.—*Continued,*

Might Directories: Directory, 6.00; Engineering Magazine: Subscription, 3.00	9 00
Iron Age: Subscription, 5.00; Engineering & Mining Journal: Subscription, 18.00.....	23 00
London Times: Subscription, 5.00; N. E. Inst. Mining and Mechanical Engineers: Subscription, 10.43	15 43
Can. Forestry Assn.: Subscription, 1.00; Can. Mining Inst.: Subscription, 20.00	21 00
Journal of Geology: Subscription, 3.00; Am. Inst. Mining Engineers: Sub., 11.00	14 00
School of Mining Quarterly: Subscription, 2.00; Electro-Chemical Industry: Sub., 2.00	4 00
La Bulletin' du Commerce: Subscription, 4.80; Waghorn's Guide: Sub., 2.00	6 80
Sundry newspapers and periodicals: Advertising, 195.85; Subscriptions, 28.00	223 85
Books: Linscott Pub. Co., 10.00; Chemical Pub. Co., 8.75; G. N. Morang & Co., 7.50; J. Wiley & Sons, 10.40; Can. Ry. News Co., 11.50; Cremer & Bicknel, 3.50 ..... Carswell Co., 3.30; D. VanNostrand, 5.26; Queen's Quarterly, .50 .... Williamson & Co., 4.00; D. VanNostrand Co., 1.50; P. S. King & Son, 10.01 ..... C. E. Wingate, 3.75; Estate A. Macdonell, 20.00; Crosby, Lockwood & Son, 16.43; Aldine Book Co., 2.00; A. H. Clark Co., 2.09	120 49
G. N. Tel. Co.: Telegrams, 11.10; C. P. R. Telegraph: 29.48; Bradstreet Co. Tel., 1.88	42 46
Dom. Express Co.: Charges, 55.60; Can. Express Co.: Charges, 32.40	88 00
Wright Cartage Co.: Cartage, 3.35; G. T. Ry. Co.: Freight charges, 2.85	6 20
T. R. Haig: Cartage, 1.00; W. L. Griffith: Express charges, 4.68	5 68
T. W. Gibson: Trav. expenses, 147.51; P. Maher: Cab hire, 1.00	148 51
Doane Bros.: Cab hire, 1.00; J. Wilson: Cotton bags, 10.50	11 50
Lyman Bros. & Co.: Bottles for samples, 2.70; W. Ferguson: Photo, 1.00	3 70
Photo Supplies: J. G. Ramsay & Co., 37.25; Bruce Photo Art Co., 3.00; F. W. Micklethwaite, 5.52; Roy Studio, 1.50; A. J. Reading, 6.55; E. Tozer, 18.80	72 82
Art Metropole: Instruments, etc., 16.50; Steinberger Hendry Co.: Map Ont., 5.00	21 50
C. C. Baines: Map World, 2.00; Toronto Litho Co.: Maps mining dist. 218.37.....	220 37
Copp, Clark Co.: 4,500 maps Sudbury mining district	120 00
Blue Print & Copying Co.: Prints, .75; C. Tarling & Co.: Map Ont., 5.00	9 75
L. G. Ireland: Tracing maps, 31.00; W. F. Tubesing: Drafting, 12.02	43 02
Elliott & Son Co.: Altering map Ont. for St. Louis fair	43 30
McIntosh Granite Co.: Splitting ore, 3.00; J. J. Kehoe: Copy disposition late John Waters, 2.60	5 60
W H. Ellis, M. B.: Determining the heating power of peat	5 00
Thos. Oliver: Copies dispositions re inquest	2 00
J. Eggert: Translating Norwegian pamphlet, 25.00; M. E. Myers: Stenog. at 6.00 per week, 63.35 .... £..	88 35
P. C. McArthur: Preparing index to report .. .. £..	41 60

COLONIZATION AND FORESTRY.

SALARIES ($5,441.66).

Thos. Southworth:	Twelve	month's	salary as Director of Colonization and Forestry..	2,000 00
J. F. Clark:	Five	do	Forester....	666 66
N. McLeod:	Twelve	do	Clerk and Stenographer	500 00
A. Robertson:	do	do	do	950 00
J. Cadieux:	do	do	do	725 00
R. M. Persse:	do	do	Constable at sheds	600 00

EXPENSES ($1,980.17).

Warwick Bros. & Rutter: Printing and binding	51 45
K. Cameron: Staty., 76.15; Paper, 3.90; W. McMaster: Postage stamps, 317.33	397 38
Steinberger Hendry Co.: Maps of Ontario, 10.00; C. Gripton: Stamps and repairs, 5.00	15 00
United Typewriter Co.: Machine, 120.00; Can. Legal Pub. Co.: Law list, 3.00	123 00
Might Directories: Directory, 6.00; Literary Digest: Subscription, 3.00	9 00
Paper, Mill & Wood Pulp News: Subscription, 5.00; Monthly Review: Sub., 5.00	10 00
Mass. Forestry Ass'n.: Annual dues, 2.00; Amer. Forestry Ass'n.; Annual dues, 2.00 ...	4 00
Can. Forestry Ass'n: Annual dues, 2.00; N. A. Fish & Game Prot. Ass'n: Annual dues, 5.00	7 00
Penn. Forestry Assn: Annual dues, 3.00; Manufacturers list, books, 5.00	8 00
J. McDonough: Books, 3.24; A. P. Watts: books, 3.75	6 99
Sundry newspapers: Subscriptions, 19.00; G. N. W. Tel. Co.: Telegrams, 18.67	37 67

CIVIL GOVERNMENT.—*Continued.*

COLONIZATION AND FORESTRY.—*Continued*

EXPENSES.—*Continued.*

C. P. R. Telegraph: Telegrams, 12.42; Bell Telephone Co.: Messages, 17.65	30 07
C. W. Irwin: Duty, brokerage, etc., on lantern slides, 21.35; Can. Exp. Co.: Charges, 2.50	23 85
Dom. Express Co.: Charges, .55; University N. Y.: To pay express charges, 1.40	1 95
Wright Cartage Co.: Cartage, .25; Doane Bros.: Cab hire, 2.75	3 00
T. Southworth: Trav. expenses, 277.41; J. F. Clark: Trav. expenses, 123.60	401 01
L. Loughrin: Board of director and staff, 13.00; W. J. Flewelling: Supplies, 30.01	43 01
A. B. Wetherup: Supplies for Press Ass'n and Comr's party	104 46
J. Gifford: 300 lantern slides, 75.00; J. G. Ramsey & Co.: Photo supplies, 51.50	126 50
T. Eaton Co.: Photo supplies, 4.43; Art Metropole: Draughtsman's supplies, 19.00	23 43
O. Spanner & Co.: Mounted deer head, 12.00; P. Thompson: Services *re* report at 3.00, 15.00	27 00
L. Kemp: Services at 2.00 per day, 156.00; A. D. Miller: Services at 2.00 per day, 90.00	246 00
A. S. Moorehead: Services at 2.00 per day, 72.00; J. A. Evans: Services at 2.00 per day, 144.00	216 00
F. Rightmeyer: Services at 2.00 per day, 40.40; C. Karge: Translating letters, 5.00	45 40
L. G. Ireland: Tracing maps, 4.00; B. Mullen: Copy of evidence *re* Col'n. Com., 15.00	19 00

PUBLIC WORKS DEPARTMENT.

SALARIES ($24,067.00).

Hon. F. R. Latchford:	Ten and one-third months' salary as	Commissioner	3,577 12
Hon. W. A. Charlton:	One and two-third do	do	422 88
A. W. Campbell:	Twelve months' salary as	Assistant Commissioner	2,400 00
Kivas Tully:	do	Consulting Engineer and Architect	1,500 00
R. P. Fairbairn:	do	Engineer	1,800 00
F. R. Heakes:	do	Architect	1,900 00
Wm. Edwards:	Five do	Secretary	417 00
H. E. Moore:	Twelve do	Assistant Architect	1,200 00
J. P. Edwards:	do	Accountant and Law Clerk	1,350 00
M. C. O'Donell:	do	Clerk and Paymaster	1,200 00
H. F. McNaughton:	do	Minister's Secretary	1,100 00
M. T. Jarrett:	do	Clerk and Stenographer	550 00
M. Brown:	do	do do	400 00
C. O'Grady:	do	do of Fyles	500 00
W. A. McLean:	do	do Highways Branch	900 00
G. Forrester:	do	Messenger and Caretaker	600 00
M. St. Charles.	do	Stenographer Highways Branch	400 00
Henry Smith:	do	Superintendent Colonization Roads	1,900 00
J. H. Bradshaw:	do	Clerk do do	950 00
M. P. Doherty:	do	Accountant do do	1,000 00

EXPENSES ($7,625.49).

Warwick Bros. & Rutter: Printing and binding, 501.64; Rolph, Smith & Co.: Stamping, 11.25	512 89
Riordon Paper Mills: Paper, 426.23; Thos. Henry: Blue print paper, etc, 146.15	572 38
L. K. Cameron: Staty., 426.03; Paper, 167.78	593 81
Rolla L. Crain Co.: Binders, 5.00; Mrs. Hubertus: Postage stamps, 380.00	385 00
Postmaster: Unpaid postage, 6.56; C. Gripton: Numbering machine, 10.00	16 56
C. Gripton: Rubber stamps and repairs, 37.50; Remington Typewriter Co.: Balance on machine, 75.00 £	112 50
Remington Typewriter Co.: Repairs, 25.00; Remington Typewriter Co.: Rent of machine, 12.50	37 50
Might Directories: Directories, 19.50; Can. Legal Pub. Co.: Law lists, 9.00	28 50
Toronto Ry. Guide: Copies Guide, 5.00; Can. Society Civil Engineers: Sub., 8.00	13 00
Engineering Record: Subscription, 6.00; Annual Review: Subscription, 9.00	15 00
Engineers' Club: Subscription	5 00
Law Books: Carswell Co., 5.00; National Electric Light Ass'n. 2.00; W. Tyrrell & Co., 29.00: Vanevar & Co., 7.50; Carnegie Steel Co., 1.03	44 53
Sundry newspapers: Subscriptions, 240.40; Copies, .84	241 24

CIVIL GOVERNMENT.—*Continued.*

PUBLIC WORKS DEPARTMENT.—*Continued.*

EXPENSES.—*Continued.*

G. N. W. Tel. Co.: Telegrams, 62.32; C. P. R. Telegraph, 174.43	236 75
Bell Tel. Co.: Messages, 208.65; Toronto Ry. Co.: Car tickets, 135.00	343 65
Dom. Express Co.: Charges, 4.25; Can. Express Co.: Charges, 9.59	13 84
C. O'Grady: To pay freight charges, 1.79; C. P. Railway Co.: Freight charges, 4.95	6 74
Doane Bros.: Cab hire	71 75
Trav. expenses: Hon. F. R. Latchford, 289.00; A. W. Campbell, 595.70; F. R. Heakes, .85; Henry Smith, 38.80; W. A. McLean, 96.85; M. J. Quinn, 2.35; R. P. Fairbairn, 2.35	1,025 90
Grip, Limited: Half tones, 6.00; A. G. Pittaway: Photos, 2.00	8 00
M. Cunningham: Photos	5 00
Photo supplies: J. G. Ramsey & Co., 41.00; J. J. Millekin, 9.50; W. J. Topley, 40.55	91 05
C. Tarling & Co.: Mounting maps	8 50
H. F. Jell: Legal services and expenses *re* inspection of roads	26 83
James McEwing: Report *re* Wellington Co. road system	15 00
D. Millan: Report *re* Simcoe road system	15 00
E Kenrick: Report *re* Wentworth road system	20 00
J A. Bell: Services and expenses inspecting roads	33 96
T. Burton: Services as draughtsman Engineer's office at 3.00 per day	507 00
Services, draughtsman 75.00 per month: G. A. Richardson, 675.00; E. H. Russell, 300.00	975 00
Services at 2.00 per day: A. D. Hardy, 394.00; M. L. Hart, 99.00; H. M. Quinn, 168.00; P. J. Dawkes, 188.00; J. Daley, 252.00; W. E. D. Bradwin, 82.00; Dora Shannon, 2.00; M. Orr, 9.00	1,194 00
Services at 8.00 per week: O. Walker, 132.00; E. S. Purvis, 128.00	260 00
Sundry persons: Messenger service, 5.55; W. A. Dunbar: Messenger at 1.00 per day, 109.00	114 55
W. J. Pegg: Messenger at 1.50 per day	31 50
Architect and Engineers' supplies: C. Potter, 12.50; James Foster, 13.75; Art Metropole, 10.00	36 25
J. P. Edwards: To pay petty office expenses	7 31

FISHERIES BRANCH.

SALARIES ($6,300.00).

S. T. Bastedo:	Twelve months' salary as	Deputy Commissioner	2,200 00
J. S. Webster:	do	Chief Clerk	1,400 00
W. W. Ellis:	do	Clerk	900 00
H. G. Cox:	do	do	850 00
A. B. Wallace:	do	do and Stenographer	500 00
J. J. Mulligan:	Eight do	do	298 00
A. J. McNeill:	Four do	do	152 00

EXPENSES ($1,563.21).

Warwick Bros. & Rutter: Printing and binding, 211.79; Riordon Paper Mills: Paper, 80.10	291 89
Rolph, Clark Co.: Stamping, 12.50; W. McMaster: Postage stamps, 270.00	282 50
Postmaster: Unpaid postage	5 68
L. K. Cameron: Staty., 211.97; Paper, 122.47; G. N. W. Tel. Co.: Telegrams, 54.22	388 66
C. P. R. Telegraph: Telegrams, 44.86; Bell Tel. Co.: Messages, 21.25	66 11
Remington Typewriter Co.: Repairs and supplies, 5.50; Toronto Ry. Co.: Car tickets, 15.00	20 50
Doane Bros.: Cab hire	5 75
Travelling expenses: S. T. Bastedo, 97.20; H. G. Cox, 43.05; W. W. Ellis, 270.00	410 25
Dom. Express Co.: Charges, 3.20; Can. Express Co.: Charges, 1.55	75
Wright Cartage Co.: Cartage, 1.50; G. T. Ry. Co.: Freight charges, .50	2 00
Subscriptions: Forest & Stream, 9.54; Fishing Gazette, 2.03; Circuit Guide, 1.25; Intl. Ry. Guide, 1.00	13 82
Might Directories: Directory, 6.00; Toronto Ry. Guide: Subscription, 4.50	10 50
Can. Legal Pub. Co.: Law lists, 3.00; Rod & Gun: Subscription, 2.00	5 00
Field & Stream: Subscription	1 53

CIVIL GOVERNMENT.—*Continued.*

FISHERIES BRANCH—*Continued.*

EXPENSES.—*Continued.*

Sundry newspapers: Advertising, 1.29; Subscriptions, 25.43	26 72
C. Tarling & Co.: Mounting maps, 1.25; Julian Sale Leather Goods Co.: rep. bag, .30	1 55
Chas. Potter: Admiralty chart, 1.00; E. B. Balfour: Messenger, 10.00	11 00
M. Brown: Services as Stenog., 10.00; Sundry persons: Messenger service, 5.00	15 00

GAME PROTECTION.

SALARIES ($2,250.00).

E. Tinsley: Twelve months' salary as Chief Warden	1,400 00
J. H. Pegg: do Clerk	850 00

EXPENSES ($498.47).

Warwick Bros. & Rutter: Printing and binding, 162.75; Riordon Paper Mills: Paper, 10.23	172 98
L. K. Cameron: Staty., 37.44; Paper, 91.91	129 35
Postmaster: Unpaid postage, 1.26; W. McMaster: Postage stamps, 104.00	105 26
G. N. W. Tel. Co.: Telegrams, 12.59; C. P. R. Telegraph: Telegrams, 20.29	32 88
Dom. Express Co.: Charges, 17.30; Can. Express Co.: Charges, 4.20	21 50
Toronto Ry. Co.: Car tickets, 31.00; C. Tarling & Co.: Mounting maps, .50	31 50
E. Tinsley: Travelling expenses	5 00

LABOR BUREAU.

SALARIES ($2,050.00).

Robert Glockling: Twelve months' salary as Secretary	1,500 00
M. I. Nolan: do Clerk and Stenographer	550 00

EXPENSES ($1,238.70).

Warwick Bros. & Rutter: Printing and binding, 229.65; Riordon Paper Mills: Paper, 198.37	428 02
Rolph, Smith & Co.: Stamping	6 00
L. K. Cameron: Staty., 66.71; Paper, 9.82; Postmaster: Unpaid postage, .15	76 68
Mrs. Hubertus: Postage stamps, 20.00; C. Gripton: Stamp repairs, 1.00	21 00
G. N. W. Tel. Co.: Telegrams, .25; C. P. R. Telegraph: Telegrams, 1.15	1 40
Bell Telephone Co.: Messages, 1.50; Can. Legal Pub. Co.: Law list, 3.00	4 50
Might Directories: Directory, 6.00; Sun Pub. Co.: Subscription, 1.00	7 00
Globe Ptg. Co.: Subscriptions, 6.90; Vancouver Independent: Subscription, 4.00	10 90
Advertising: Industrial Banner, 7.50; The Toiler, 62.40	
Labor Directory, 11.00; Labor Day Souvenir, 10.00	
Machinists' Excursion: Programme, 4.00; Labor Educ'n'l Ass'n, 3.75	
Social Progress Co.: 22.00; Labor of Statistics, 8.00; Trades Union Guide, 10.00	138 65
R. Glockling: Trav. expenses, 448.55; P. J. Dawkes: Services at 2.00 per day, 96.00	544 55

TREASURY DEPARTMENT.

SALARIES ($23,033.88).

Hon. G. W. Ross: Twelve months' salary as Premier and Treasurer	7,000 00
W. N. Anderson: do Assistant Treasurer	2,500 00
L. V. Percival: do Clerk of Bonds and Algoma Taxes	1,600 00
W. N. Douglas: do First-Class Clerk	1,300 00
G. W. Duncan: do Second-Class Clerk	1,100 00
T. J. Wells: do Junior Second-Class Clerk	850 00
D. R. Mackenzie: do do do do	850 00
N. H. Crow: do do do do	700 00
A. E. Semple: do do do do and Stenographer	1,050 00
W. A. P. Byrch: do do do do	650 00
A. Gayfer: do Clerk and Bank Messenger	750 00
C. Jeffrey: do Stenographer	600 00
E. Cosgrove: do Messenger	300 00

CIVIL GOVERNMENT.—*Continued.*

TREASURY DEPARTMENT.—*Continued.*

SALARIES.—*Continued.*

Succession Duties Branch:		
Frank Ford: Four months' salary as Solicitor		733 34
J. B. McLeod: Nine and one-half months' salary as Solicitor		1,750 54
J. S. Rowland: Twelve months' salary as Second-Class Clerk		850 00
M. O. Norris: do	Stenographer	450 00

EXPENSES ($3,609.18).

Warwick Bros. & Rutter: Printing and binding, 270.76; Riordon Paper Mills: Paper, 92.77	363 53
Rolph, Smith & Co.: Cheque books and stamping, 100.75; Rolph, Clark Co.: Stamping, 114.43	215 18
Hart & Riddell: Embossing, 17.39; Newsome & Co.: Staty., 1.90	19 29
L. K. Cameron: Staty., 398.23; Paper, 124.07; Clarke Litho Co.: Cheque books, 175.50	697 80
Mrs. McIntyre: Postage stamps, 418.00; Mrs. Hubertus: Postage stamps, 295.00	713 00
Postmaster: Unpaid postage, 11.10; Cashier: Postage stamps, 69.74	80 84
C. Gripton: Stamps and repairs, 42.70; United Typewriter Co.: Repairs and supplies, 2.00	44 70
Can. Typewriter Co.: Repairs and supplies, 2.00; Newsome & Gilbert: Rent of typewriter, 90.00	92 00
Rolla L. Crain: Binders, leaves, etc., 2.00; National Typewriter Co.: Repairs and supplies, .85	2 85
Can. Legal Pub. Co.: Law list, 7.50; Circuit Guide: Copies Guide, 1.25	8 75
Subscriptions: Toronto Ry. Guide, 10.00; Annual Review, 3.00; Financial Review, 6.00; Bradstreets, 25.00	44 00
Might Directories: Directories, 12.00; Can. Bankers' Ass'n: Fee and copy of Acts, 1.40	13 40
Sundry newspapers: Subscriptions	166 29
Books: Carswell Co., 10.75; Can. Law Book Co. 9.00; J. Lovell & Son, 5.50; J. Knight, 2.00	27 25
Harold A. Wilson Co.: Cable code, 7.00; G. N. W. Tel. Co.: Telegrams, 78.02	85 02
C. P. R. Telegraph Co.: Telegrams, 99.79; Bell Tel. Co.: Messages, 10.70	110 49
Sundry Banks: To pay telegrams, 2.75; Dom. Express Co.; Charges, .60	3 35
Can. Express Co.: Charges, 3.51; Toronto Ry. Co.: Car tickets, 100.00	103 51
Doane Bros.: Cab hire, 211.25; G. W. Verral: Cab hire, .50	211 75
Hon. G. W. Ross: Trav. expenses, 34.00; To pay telegrams and phones, 9.75	43 75
C. H. Chase: Trav. expenses, 20.05; W. N. Douglas: Trav. expenses, 7.50	27 55
N. H. Crow: Trav. expenses	7 90
J. Mackay & Co.: Preparing statement *re* drains Wiarton Beet Sugar Co	22 50
C. Tarling & Co.: Mounting maps, 3.75; Julian Sale Leather Goods Co.: Wallet, 2.75	6 50
Office Specialty Co.: Desk trays, etc., 9.30; Jas. Rennie: Messenger at 1.00 per day, 104.00	113 30
C. H. Chase: Petty office exp., 3.00; Sundry persons: Messenger service, 7.75	10 75
Succession Duties Branch:	
Warwick Bros. & Rutter: Printing and binding	71 60
L. K. Cameron: Staty., 146.17; Paper, 41.89; C. Gripton: Stamp and repairs, 5.50	193 56
National Typewriter Co.: Exchange on machine, 80.00; Circuit Guide: Copies Guide, .50	80 50
Can. Legal Pub. Co.: Law list, 4.50; G. N. W. Tel. Co.: Telegrams, .53	5 03
C. P. R. Tel. Co., .54; Bell Tel. Co.: Messages, 5.70	6 24
Ont. Law Society: Fees for F. Ford	17 00

PROVINCIAL AUDIT OFFICE.

SALARIES ($9,200.00).

C. H. Sproule: Twelve months' salary as		Provincial Auditor	2,500 00
W. W. Wood:	do	Assistant do	1,600 00
A. J. Rattray:	do	Chief Clerk	1,600 00
T. P. Stewart:	do	First-Class Clerk	1,350 00
G. A. Brown:	do	Second-Class do	950 00
C. O. Brimer:	do	Junior Second-Class Clerk	800 00
W. A. Gloekling:	do	Clerk and Stenographer	400 00

CIVIL GOVERNMENT.—*Continued.*

PROVINCIAL AUDIT OFFICE.—*Continued.*

EXPENSES ($1,041.72).

Warwick Bros. & Rutter: Printing and binding, 56.10; Rolla L. Crain Co.: Binders, leaves, etc., 68.45	124 55
Hart & Riddell: Embossing and engraving die	13 75
L. K. Cameron: Staty., 139.06; Paper, 41.39; Mrs. Hubertus: Postage stamps, 35.00	215 45
C. Gripton: Stamp repairs, 1.50; Can. Typewriter Co.: Repairs and supplies, 19.50	21 00
J. Lovell & Son: Legal compendium, 3.00; Annual Review: Subscription, 3.00	6 00
Might Directories: Directory, 6.00; Railway and Steamboat Guide: Sub., 5.00	11 00
Sundry newspapers: Subscriptions, 10.45; C. P. R. Telegraph: Telegrams, .26	10 71
Bell Tel. Co.: Messages, 1.40; J. J. O'Leary: Cab hire, 3.00	4 40
Toronto Ry. Co.: Car tickets, 15.00; Can. Express Co.: Charges, .60	15 60
Travelling expenses: T. P. Stewart, 97.10; A. J. Rattray, 46.35	143 45
G. A. Brown, 49.75; W. W. Wood, 73.45	123 20
A. W. Bell: Services *re* Pub. Ac. at 3.50 per day, 70.00; Allie Rattray: Services *re* Pub. Ac. at 2.50 per day, 70.00	140 00
Jas. Brayley: Services at 2.00 per day, 189.00; B. Findlay: Services as Messenger at 5.00 per week, 16.66	205 66
W. A. Glockling: To pay sundries, 2.70; Sundry persons: Messenger service, 4.25	6 95

PROVINCIAL SECRETARY'S DEPARTMENT.

SALARIES ($18,795.00).

Hon. J. R. Stratton:	Ten and one-third months'	salary as	Secretary and Registrar	$3,577 12
Hon. Geo. P. Graham:	One and two-thirds	do	do	do	422 88
Thos. Mulvey:	Twelve months'	salary as	Assistant Secretary	2,500 00
J. B. McLachlan:		do	First-Class Clerk	1,400 00
J. D. Warde:		do	do do	1,350 00
E. Jenkinson:		do	Second-class Clerk	1,000 00
R. A. Eaton:		do	Junior Second Clerk	800 00
E. A. Dent:		do	Stenographer	600 00
E. C. Meyers:	Eleven	do	Second-class Clerk and Secretary	1,145 00
L. F. Young:	Seven	do	Messenger and Caretaker	350 00
W. F. Lillico:	Three	do	do do	150 00
J. F. C. Ussher:	Twelve	do	Deputy Registrar	1,450 00
L. Homfray Irving:		do	First-class Clerk	1,250 00
F. Costello:		do	Junior Second do	800 00
Geo. O'Leary:		do	do Clerk	490 00
Arthur Graham:		do	do do	490 00
M. M. Durkin:		do	Stenographer	550 00
L. C. Morrow:		do	do	520 00

EXPENSES ($4,155.10).

Warwick Bros. & Rutter: Printing and binding, 465.45; Rolph, Smith & Co.: Stamping, 12.50	477 95
Rolph, Clark Co.: Die and embossing, 13.25; Riordon Paper Mills: Paper, 3.65	16 90
L. K. Cameron: Staty., 975.35; paper, 293.46; W. McMaster; Postage stamps, 330.00	1,598 81
L. McIntyre: Postage stamps, 750.00; Postmaster: Unpaid postage, 12.31	762 31
C. Gripton: Stamps and repairs, 24.60; Can. Typewriter Co.: Repairs and supplies, 4.25	28 85
United Typewriter: Repairs and supplies, 2.50; G.N.W. Tel. Co.: Telegrams, 21.32	23 82
C.P.R. Telegraph: Telegrams, 29.16; Bell Tel. Co.: Messages, 20.30	49 46
Dom. Express Co.: Charges, 3.50; Can. Express Co.: Charges, 7.03	10 53
Toronto Ry. Co.: Car tickets, 36.00; Doane's Livery: Cab hire, 99.50	135 50
P. Maher: Cab hire, 27.00; Hon. J. R. Stratton: Trav. expenses, 179.50	206 50
T. Mulvey: Trav. expenses, 95.20; Can. Legal Pub. Co.: Law lists, 12.00	107 20
Might Directories: Directories	12 00
Subscriptions: Annual Review, 3.00; Ry. & Steamboat Guide, 10.00; Circuit Guide Pub. Co., 1.50; Canadian Mag., 2.50	17 00
Sundry Newspapers: Subscriptions	101 85
Books: Carswell Co., 57.05; A. Britnell, 1.50; Wm. Tyrrell Co., 1.25	59 80
Julian Sale Leather Goods Co.: Despatch boxes, 24.00; Superior Mfg. Co.: Wax, seal and coat of arms, 3.00	27 00

CIVIL GOVERNMENT.—*Continued.*

PROVINCIAL SECRETARY'S DEPARTMENT.—*Continued.*

EXPENSES.—*Continued.*

T. Eaton Co.: Ribbon for returns, .54; R. E. Walker & Co.: Ribbons for returns, 1.06	1 60
L. C. Morrow: Services as Stenog., 58.57; Tura Moore: Services at 7.00 per week, 14.00	72 57
C. Chown: Services as clerk at 2.00 per day, 80.00; F. J. Glackmeyer: Services as clerk at 2.00, 136.00	216 00
R. M. Williams: engrossing charters, 88.50; Sundry persons: Messenger service, 6.50	95 00
Marriage Licenses:—	
Warwick Bros. & Rutter: Printing and binding, 64.05; D. Ecoles: Services at 1.50 per day, 13.50	77 55
Joint Stock Companies:—	
Warwick Bros. & Rutter: Printing and binding	56 90

INSPECTION PUBLIC INSTITUTIONS.

SALARIES ($15,383.34).

R. Christie:	Twelve months'	salary as	Inspector of Asylums	2,600 00
T. F. Chamberlain:	Nine do	do	Prisons and Charities	1,874 00
R. W. Bruce Smith:	Three do	do	do do	626 00
Jas. Noxon:	Twelve do	do	do Reformatories	2,400 00
J. Mann:	do	First-class Clerk		1,400 00
W. A. Kavanaugh:	do	do	do	1,250 00
F. M. Nicholson:	do	do	do	1,250 00
I. R. Aikens:	do	Second-class Clerk		1,150 00
F. C. Williams:	do	do	do	1,050 00
H. B. McBain:	Six do	Junior Second-class Clerk		400 00
C. LeBrun:	Five do	do	do do	333 34
M. Twomey:	Twelve do	Stenographer		400 00
E. C. Jury:	do	Caretaker and Messenger		650 00

EXPENSES ($3,428.89).

Warwick Bros. & Rutter: Printing and binding, 421.91; Riordon Paper Mills: Paper, 58.46	480 37
Stamping: Rolph, Smith & Co., 9.38; Rolph, Clark Co., 3.75	13 13
L. K. Cameron: Stat'y, 89.19; paper, 55.05; Mrs. Hubertus: Postage stamps, 475.00	619 24
Postmaster: Unpaid postage, 5.38; C. Gripton: Stamps and repairs, 18.00	23 38
Can. Typewriter Co.: Repairs and supplies, .75; G.N.W. Tel. Co.: Telegrams, 56.30	57 05
C.P.R. Telegraph: Telegrams, 21.20; Bell Tel. Co.: Messages, 10.85	32 05
Toronto Ry. Co.: Car tickets, 70.00; Can. Express Co.: Charges, .24	70 24
R. Bond: Cab hire, .75; Doane Bros.: Cab hire, 24.50	25 25
Travelling expenses: R. W. B. Smith, 164.80; T. F. Chamberlain, 321.06; R. Christie, 58.90; James Noxon, 50.00; I. R. Aikens, 115.55; F. M. Nicholson, 16.65; F. C. Williams: 23.45	750 41
Jas. Russell, M.D.: Trav. exp. and reporting *re* visiting gaols of province *re* lunatics confined	120 50
N. H. Beemer, M.D.: do do	92 70
Can. Legal Pub. Co.: Law list, 4.50; Might Directories: Directory, 6.00	10 50
Subscriptions: Toronto Ry. Guide, 5.00; Journal of Mental Science, 5.50; Scientific American, 3.03; American Journal of Insanity, 5.03; Cordage Trade Journal, 2.10 Can. Manufacturer, 1.00; Intl. Railway Guide, 1.00; Charity Organiz'n Society, 2.03; Monetary Times, 2.00; Farmer's Advocate, 2.00	23 69
Nat'l. Conference of Charities: Annual dues, 2.53; Sundry Newspapers: Subs'c'n. 23.00.	25 53
Sheppard Pub'g. Co.: Writing up asylum for insane, Toronto, 150.00; Mercer Ref't'y., 150.00	300 00
I. R. Aikens: Extra services *re* revision of gaol rules and regulations	150 00
do Extra services during illness of Inspectors Noxon and Chamberlain	300 00
Washington & Beasley: Legal services *re* gaol investigation, escape of prisoners	25 00
E. L. Reid: Taking evidence, copying, etc., re do do	11 00
W. P. Band: Expenses re removal, Penetang to Toronto	100 05
R. W. B. Smith: Expenses *re* removal, Brockville to Toronto	60 80
M. E. Flannigan: Services as stenog. at 7.00 per week	133 00

CIVIL GOVERNMENT.—*Continued.*

LICENSE BRANCH AND AUDIT JUSTICE ACCOUNTS.

SALARIES ($9,116.20).

Eudo Saunders:	Twelve months' salary as	Chief Officer	2,000 00
J. W. Gordon:	Eight and one-quarter months' salary as	Provincial Inspector	1,366 20
J. F. Mowat:	Twelve months' salary as	First-class Clerk	1,550 00
S. J. Crosby:	do	Second-class do	1,000 00
W. Phelan:	Eight do	Junior Second-class Clerk	499 00
J. J. Mulligan:	Four do	do do do	251 00
R. Mayhood:	Twelve do	do do do	750 00
E. A. Maclaurin:	do	Inspector Criminal Justice Accounts	1,700 00

EXPENSES ($1,416.15).

Rolph, Smith & Co.: Stamping, 2.50; Hart & Riddell: Embossing, 7.50	10 00
L. K. Cameron: Stat'y., 24.56; Mrs. Hubertus: Postage stamps, 25.00	49 56
Postmaster: Unpaid postage, 3.16; C. Gripton: Stamps and repairs, 9.75	12 91
Can. Typewriter Co.: Rep's. and supplies, 3.32; Remington Typewriter Co., repairs, 10.65	13 97
G.N.W. Tel. Co.: Telegrams, 14.61; C.P. R. Telegraph: Telegrams, 19.63	34 24
Bell Tel. Co.: Messages, 9.55; Dom. Express Co.: Charges, 1.70	11 25
Can. Express Co.: Charges	1 55
Law Books: Can. Law Book Co., 6.00; Carswell Co., 11.60	17 60
J. Lovell & Son: Index to statutes, 3.00; legal compendium, 3.00	6 00
Can. Legal Pub. Co.: Law lists, 7.50; Might Directories: Directory, 6.00	13 50
Subscriptions: Circuit Guide, 1.50; International Ry. Guide, 1.00; Toronto Ry. Guide, 5.00; Can. Law Journal, 5.00	12 50
E. B. Brown: Copy judgment, 1.07; Sundry Newspapers: Subsc'r'n's, 12.00	13 07
W. T. Tidy: Wreath for funeral of J. K. Stewart	10 00
Services at 2.00 per day: J. Armstrong, 300.00; A. W. Macpherson, 276.00; R. Biggs, 128.00; H. H. G. Couthard, 144.00	848 00
R. J. Moore: Services at 6.00 per week, 292.00; Tura Moore: Services at 7.00 per week, 70.00	362 00

REGISTRAR-GENERAL'S BRANCH.

SALARIES ($10,707.66).

P. H. Bryce, M.D.:	One months' salary as	Dep. Reg.-General and Sec'y. Bd. of Health	216 00
C. A. Hodgetts:	Eleven do	do do do do do	2,291 66
R. B. Hamilton:	Twelve do	Inspector	1,300 00
Geo. Wheeler:	do	Second-class Clerk	1,100 00
J. McG. Ridley:	do	do do	950 00
J. P. Conway:	do	do do	1,050 00
T. K. Rogers:	do	do do	950 00
C. S. Horrocks:	do	do do	950 00
F. Jones:	do	do do	850 00
H. J. Scobie:	do	Stenographer	550 00
J. H. Latimer:	do	Messenger	500 00

EXPENSES ($3,936.37).

Warwick Bros. & Rutter: Printing and binding, 457.18; Riordon Paper Mills: Paper, 71.81	528 99
Stamping: Rolph, Smith & Co., 1.25; Rolph Clarke Co., 5.00	6 25
L. K. Cameron: Staty., 452.60; paper, 82.95; Postmaster: Unpaid postage, .51	536 06
W. McMaster: Postage stamps, 75.00; G.N.W. Tel. Co.: Telegrams, .58	75 58
C.P.R. Telegraph: Telegrams, .56; C. Gripton: Stamps and repairs, 9.00	9 56
B. Cairns: Seal, &c., 4.00; Littlejohn & Vaughan: Zinc cut, 1.00	5 00
Might Directories: Directory, 6.00; Hart & Riddell: Registers etc., 13.28	19 28
Aikenhead Hardware Co.: Cash box, 4.00; Can. Express Co.: Charges, .45	4 45
R. B. Hamilton: Travelling expenses	300 00
Services Clerks at 2.00 per day: R. F. Choate, 616.00; G. E. Hunter, 96.00; G. H. Carlisle, 72.00; G. E. Marshall, 24.00; P. F. Ewan, 104.00; S. C. Graham, 68.00; H. S. Rose, 120.00; W. G. Perks, 54.00; H. N. Baker, 106.00; W. H. Oke, 54.00; A. L. Smith, 52.00; C. F. Ward, 130.00; G. L. Gray, 72.00; E. H. Jolliffe, 54.00; J. C. Smith, 54.00; J. Armstrong, 276.00; E. L. Cox, 192.00; W. F. Jones, 72.00	2,216 00

CIVIL GOVERNMENT.—*Continued.*

REGISTRAR GENERAL'S BRANCH.—*Continued.*

EXPENSES.—*Continued.*

Services Registrars in Unorganized Districts: S. C. McElwain, 6.60; O. La France, 14.80; A. E. Annis, 1.20; D. Patterson, 9.40; A. C. Hernnston, 5.40; R. E. Miller, 6.80; J. Armstrong, 6.60; A. P. Le Febre, 2.80; J. A. Deveney, 19.20; J. W. Kenney, 6.60; W. Harris, 10.60; W. L. Nichols, 17.60; S. A. King, 7.80; G. Stoddart, .80; J. J. Allen, 2.80; T. P. Morton, 7.40; Alex. Beattie, 2.40; J. A. Nichol, 11.40; W. Rumsey, 8.60; R. B. Maw, 6.80; R. Cole, 3.40; E. H. Kelcey, 3.00; Chas. Salt 2.80; W. L. Haight, 17.60; C. L. B. Sims, 21.60; E. J. Boucher, 2.00; A. McAuley, 6.00; A. G. Walford, 4.20; W. Denmark, .60; D. Ego. 2.40; Miss M. Lowrie, 5.20; H. C. Guy, .80; J. Davies, .40; C. W. Hughes, 5.80; T. Deacon, 3.80 ..... 235 20

PROVINCIAL BOARD OF HEALTH.

SALARIES ($4,987.21).

Dr. E. E. Kitchen:	Twelve months' salary as	Chairman	400 00
Dr. C. A. Hodgetts:	One do	Medical Inspector	166 00
Dr. J. A. Amyot:	Twelve do	Provincial Analyst	1,600 00
Dr. W. T. Connell:	Eight do	Assistant	333 00
Dr. R. W. Bell:	One and three-fourths	Medical Inspector	288 00
G. B. Lindsay:		Clerk	1,000 00
D. W. Paton:	Seven do	do	379 00
Geo. W. Jones:	Five do	do	250 00
do	Seven do	Messenger	320 00
L. F. Young:	Five do	do	250 00

EXPENSES ($7,062.74).

Warwick Bros. & Rutter: Printing and binding, 263.15; Riordon Paper Mills: Paper, 137.05 ..... 400 20

Rolph, Clark Co.: Stamping, 26.25; Toronto Engraving Co.: Engraving, 17.13 ..... 43 38

L. K. Cameron: Staty., 159.77; paper, 14.54; Littlejohn & Vaughan: Engraving, 1.00 .. 175 31

W. McMaster: Postage stamps, 157.00; C. Gripton: Stamps and repairs, 18.50 ..... 175 50

G.N.W. Tel. Co.: Telegrams, 20.87; C.P.R. Tel. Co.: Telegrams, 47.29 ..... 68 16

Bell Tel. Co.: Messages, 8.60; Dom. Express Co.: Charges, 1.65 ..... 10 25

Can. Express Co.: Charges, 3.55; Toronto Ry. Co.: Car tickets, 4.00 ..... 7 55

Doane Bros.: Cab hire, 5.00; United Typewriter Co.: Typewriter, 115.00; repairs, 35.40. 155 40

Trav. Expenses: P. H. Bryce, 23.55; C. A. Hodgetts, 268.50; J. Amyot, 104.95; G. G. Nasmith, 14.75 ..... 411 75

Sundry Newspapers and Periodicals: Subscriptions, 42.21; Might Directories: Directory, 6.00 ..... 48 21

Subscriptions: Int'l. Ry. Guide, 1.00; Toronto Railway Guide, 5.00; Sanitarium, 4.00; Journal Medical Research, 8.00; The Analyst, 5.32; Journal Hygiene, 5.21; Journal Bacteriology, 7.34 ..... 35 87

Can. Legal Pub. Co.: Law list 3 00

Books: British Medical Journal 1..58; Chandler & Massey, 2.75; A. P. Watts, 35.00; R. Friedlander & Sohn, 13.90; H. R. Lewis, 29.26; J. A. Carveth & Co., 2.00; J. R. Britnell, 3.75; W. & A. K. Johnston, 2.54; C. N. Bastedo, 2.75; P. S. King & Son, 13.39 ..... 106 92

Annual Dues: Am. Medical Ass'n., 5.00; British Med. Ass'n., 15.54; States & Provl. Bd's of Health, 10.00; Am. Chemical Socy., 6.00; Sanitary Institute, 5.21 ..... 41 75

Services a 50.00 per month: R. H. Mullin, 410.00; D. A. L. Graham, 75.00; A. H. W. Caulfield, 150.00 ..... 635 00

G. G. Nasmith: Twelve months' salary as Chemist 1,031 94

Services at 2.00 per day: G. E. Marshall, 120.00; W. H. Oke, 96.00 ..... 216 00

J. Benning: Services stenog. at 7.00 and 9.00 per week 440 00

Attendance at Meetings:—

W. Oldright, M.D.:	Services,	200.00;	expenses,	36.53;	
E. E. Kitchen, M.D.:	expenses,	152.55			
W. J. Douglas, M.D.:	Services,	50.00;	expenses,	26.15	
J. J. Cassidy, M.D.:	do	120.00;	do	.59	
R. P. Boucher, M.D.:	do	220.00;	do	152.60	
A. Thompson, M.D.:	do	150.00;	do	82.30	1,190 72

CIVIL GOVERNMENT.—*Continued.*

PROVINCIAL BOARD OF HEALTH.—*Continued.*

EXPENSES.—*Continued.*

Services at 2.00 per day: R. R. Fitzgerald, 118.00; H. W. Brownlee, 36.00; E. Weller, 122.00 ..... 276.00

Laboratory:—

Apparatus, supplies, etc.: Aikenhead Hardware Co., 3.30; Map and School Supply Co.: 7.06 ..... C. Gripton, 10.55; Fletcher Mfg. Co., 63.60; Impl. Varnish & Color Wks., 4.00; A. Jeffrey, 5.25; W. J. McGuire & Co., 81.18; Chandler & Massey, 126.05; J. F. Hartz Co., 151.29; Lake Simcoe Ice Co., 54.00; Park Davis & Co., 58.64; A. P. Watts, 8.80; E. B. Shuttleworth Chemical Co., 15.85; H. Tolchard, 5.55; J. H. Hutty, 15.40; Elliot & Co., 13.78; W. A. Fenton, 10.00; W. A. Lyon Co., 1.55; F. W. Micklethwaite, 6.00; W. Lloyd Wood, 1.70 ..... 643 55

W. J. McGuire & Co.: Bal. cont. plumbing, 180 00; C. A. Dunning: feed for animals, 10.28 ..... 190 28

T. Mottou: Care of animals, 161.25; C. Clarke: Clg. towels, 29.00 ..... 190 25

M. Rawlinson: Cartage, 15.75; J. E. B. Smith: Rent of laboratory office, 500.00 ..... 515 75

DEPARTMENT OF AGRICULTURE.

SALARIES ($21,058.28).

Hon. Jno. Dryden:	Twelve months' salary as	Minister of Agriculture	4,000 00
C. C. James:	do	Deputy Minister	2,600 00
W. B. Varley:	do	Second-class Clerk and Sec'y	1,350 00
W. F. McMaster:	do	Assistant Secretary	1,700 00
W. O. Galloway:	do	Chief Clerk	1,600 00
Thos. McGillicuddy:	do	Second-class Clerk	1,200 00
N. J. Clark:	do	do do	1,100 00
W. J. Gray:	do	do do	1,100 00
Jno. Darrach:	do	do do	1,100 00
A. G. Henderson:	do	do do	1,100 00
J. W. Brant:	do	do do	1,050 00
M. J. Malone:	do	do do	950 00
B. Thompson:	do	Junior Second-class Clerk	650 00
M. J. O'Driscoll:	do	Messenger and Caretaker	600 00
Thos. Lynch:	od	Extra Messenger	540 00
D. G. Cashman:	do	do Clerk and Messenger	418 28

EXPENSES ($1,307.56).

Warwick Bros. & Rutter: Printing and binding, 15.13; Rolph, Clark Co.: Stamping, 13.25 ..... 22 38

Grip, Limited: Electros, 3.95; L. K. Cameron: Staty., 319.81; paper, 62.61 ..... 386 37

Office Specialty Co.: Cards, 5.75; Perfect Mucilage Bottle Co.: Mucilage bottles, 2.00 ..... 7 75

Grand & Toy: Staty., 1.00; Wm. McMaster: Postage stamps 150.00 ..... 151 00

Postmaster: Unpaid postage, 2.94; C. Gripton: Stamps and supplies, 10.80 ..... 13 74

Supplies: United Typewriter Co., 8.00; Can. Typewriter Co., 5.60; Newsome & Gilbert, .50 ..... 14 10

G.N.W. Tel. Co.: Telegrams, 34.82; C.P.R. Telegraph: Telegrams, 22.07 ..... 56 89

Bell Tel. Co.: Messages, 12.75; Dom. Express Co.: Charges, 3.90 ..... 16 65

Can. Express Co.: Charges, 25.19; Wright Cartage Co.: Cartage, .75 ..... 25 94

Toronto Ry. Co.: Car tickets, 25.00; Doane Bros.: Cab hire, 47.25 ..... 72 25

R. Bond: Cab hire 2 50

Trav. Expenses: Hon. J. Dryden, 53.95; C. C. James, 93.20; W. B. Varley, 10.00; W. A. Chrysler, 10.35; J. W. Sparling, 3.25; A. G. Henderson, 38.70 ..... 209 53

Might Directories: Directory, 6 00; Toronto Ry. Guide: Subscr'n, 10.00 ..... 16 00

Can. Legal Pub. Co.: Law lists, 6.00; Circuit Guide: subscription, 1.25 ..... 7 25

Annual Review: Subscription 6 00

Books: Carswell Co., 5.00; Manufacturers List Co., 5.00; Can. Ry. News Co., 11.50; W. A. Kellerman, .75; Morang & Co., 1.50; A. Britnell, 1.00; P. S. King & Son, 4.48; W. Briggs, 5.88 ..... 35 11

Sundry Newspapers: Periodicals & subscr'n's, 226.35; Sundry persons: Messenger service, 3 00 ..... 229 35

Am. Statistical Assn.: Fees, 2.00; F. Rightmeyer: Addr'g envelopes, 26.75 ..... 28 75

CIVIL GOVERNMENT.—*Continued.*

FACTORY INSPECTION.

SALARIES ($5,700.00).

J. R. Brown:	Six months' salary as	Inspector	500 00
O. A. Rocque:	Twelve do	do	1,000 00
J. T. Burke:	do	do	1,100 00
Thos. Keilty:	do	do	1,100 00
A. W. Holmes:	Six do	do	500 00
Margaret Carlyle:	Twelve do	do	650 00
Annie Brown:	Seven do	do	350 00
E. Conlin:	Twelve do	Stenographer	500 00

EXPENSES ($3,468.54).

Warwick Bros. & Rutter: Printing & binding, 154.80; Riordon Paper Mills, 37.95	192 75
L. K. Cameron: Staty., 64.45; paper, 85.26; W. McMaster: Postage stamps, 50.00	199 71
G.N.W. Tel. Co.: Telegrams, .79; C.P.R. Telegraph: Telegrams, 1.34	2 13
Bell Tel. Co.: Messages, 4.15; Might Directories: Directory, 6.00	10 15
Sundry Newspapers: Advertising, 132.50; subscriptions, 3.65	136 15
Intl. Assn. Factory Inspectors: Dues and reports	16 25
Trav. expenses: J. T. Burke, 700.00; T Keilty, 950.00; M. Carlyle, 650.00 Mrs. Annie Brown, 288.90; A. W. Holmes, 300.00	2.888 90
Dom. Express Co.: Charges, 2.00; East & Co.: Sample cases, 10.50	12 50
J. T. Burke: To pay commercial certificate	10 00

INSURANCE BRANCH.

SALARIES ($6,550.00).

J. H. Hunter:	Twelve months' salary as	Inspector of Insurance and Registrar of Friendly Societies	3.000 00
W. J. Vale:	Twelve months' salary as	Assistant Registrar	1,200 00
K. A. Chisholm:	do	Clerk	950 00
H. P. Royal:	do	do	850 00
A. C. Lynch:	do	Stenographer	550 00

EXPENSES ($2,553.17).

Warwick Bros. & Rutter: Printing & binding, 1,260.78; Riordon Paper Mills: Paper, 325.08	1.585 86
L. K. Cameron: Staty., 141.54; paper, 43.54; Mrs. Hubertus: Postage stamps, 149.50	334 58
Postmaster: Unpaid postage, 1.10; C. Gripton: Stamps and repairs, 15.25	16 35
G.N.W. Tel. Co.: Telegrams, 2.25; C.P.R. Telegraph: Telegrams, 3.41	5 66
Walford's Insce' Cyclopaedia: Encyclopaedia, 10.50;- Might Directories: Directory, 6.00	16 50
Can. Legal Pub. Co.: Law lists, 4.50; Bradstreets: Subscription, 25.00	29 50
Subscriptions: Money & Risks, 2.00; Insurance Monitor, 6.50	
Subscriptions: Money & Risks, 2.00; Insurance Monitor, 6.50; Insurance Chronicle, 2.00; Insurance Year Book, 8.00; Monetary Times, 2.00; Circuit Guide, 2.00; Fraternal Monitor, 1.00; Bulletin Pub. Co., 3.40; Toronto Ry. Guide, 5.00	31 90
Sundry Newspapers: Advertising, 13.00; subscriptions, 13.00	26 00
J. W. Curry: Copy of evidence, 2.25; Alex. Downey: rep't'g evidence, 9.15	11 40
Chas. Clarke: Certified copies of Acts, 5.00; G. A. Boomer: Copy of judgment, 3.00	8 00
Law Books: Carswell Co., 98.00; Can. Law Book Co., 56.60	
Law Books: Carswell Co., 98.00; Can. Law Book Co., 56.60; A. Britnell, 2.85; J. Lovell & Son, 6.00; E. Horton, 1.00; Spectator Co., 13.50	177 95
Can. Express Co.: Charges, 1.50; W. J. Vale: Petty office expenses, 4.50	6 00
Trav. Expenses: S. C. McElwain, 34.60; W. J. Vale, 196.95; J. H. Hunter, 37.07; K. A. Chisholm, 34.85	303 47

NEGLECTED CHILDREN'S BRANCH.

SALARIES ($4,300.00).

J. J. Kelso:	Twelve months' salary as	Superintendent and Inspector	1,700 00
Wm. O'Connor:	do	Additional Inspector	1,100 00
Mrs. L. J. Harvie:	do	Childrens' Visitor	750 00
L. McMahon:	do	Clerk and Stenographer	500 00
B. Dewar:	do	do and Messenger	250 00

CIVIL GOVERNMENT.—*Continued.*

NEGLECTED CHILDREN'S BRANCH.—*Continued.*

EXPENSES ($2,439.36).

Warwick Bros. & Rutter: Printing and binding, 246.30; Riordon Paper Mills: Paper, 70.66	316 96
Rolph, Smith & Co.: Stamping, 7.00; L. K. Cameron: Staty., 119.82; Paper, 60.92	187 74
Hill Ptg. Co.: Pamphlets, 13.00; C. Gripton: Stamp repairs, 1.00	14 00
Mrs. Hubertus: Postage stamps, 178.00; Postmaster: Unpaid postage, .56	178 56
United Typewriter Co.: Repairs and supplies, 2.50; Office Specialty Co.: Cabinet, chairs, etc., 26.15	28 65
G. N. W. Tel. Co.: Telegrams, 7.87; C. P. R. Telegraph: Telegrams, 5.50	13 37
Bell Tel. Co.: Messages, 1.25; Toronto Ry. Co.: Car tickets, 15.00	16 25
Dom. Express Co.: Charges, 2.70; Can. Express Co.: Charges, 4.55	7 25
P. Maher: Cab hire, 6.00; Might Directories: Directory, 6.00	12 00
Subscriptions: Toronto Ry. Guide, 5.00; Charity, 4.00; Conference of Charities, 5.00; Can. Home, 1.00; Union Pub. Co.: Gazeteer, 5.00	20 00
Ont. Pub. Co.: 100 copies magazine, 17.00; Juvenile Record: 12 copies, 6.00	23 00
Sundry newspapers: Subscriptions, 5.00; Advertising, 5.00	10 00
Half tones: Grip, Limited, 7.45; Littlejohn & Vaughan, 3.10; Thompson Engraving Co., .75	11 30
Photos of Children: J. S. Coleman, 12.13; W. Bogart, 33.65	45 78
A. J. Reading: Slides, etc., 2.10; J. G. Ramsey & Co.: Photo supplies, 48.06	50 16
Trav. expenses: W. O'Connor, 560.00; L. J. Harvie, 655.10; J. J. Kelso, 300.00	1,515 10
L. Ellis: Services at 3.00 per week, 8.00; M. Wingate: Addr'g Xmas. letters, 6.00	14 00
J J. Kelso: Petty office expenses	5 93

OFFICIAL GAZETTE ($3,088.22).

Warwick Bros. & Rutter: Printing and binding, 3,087.72; Littlejohn & Vaughan: Crest, .50	3,088 22

KING'S PRINTER'S OFFICE.

SALARIES ($4,350.00).

L. K. Cameron:	Twelve months' salary as	King's Printer	1,500 00
S. P. Grant:	do	Assistant King's Printer	1,050 00
W. H. Clarke:	do	Chief Clerk	1,000 00
W. H. Sutherland:	do	Clerk	800 00

EXPENSES ($242.54).

Warwick Bros. & Rutter: Printing and binding, 27.80: Hart & Riddell: Embossing, 3.50	31 30
Rolph Smith & Co.: Stamping, 2.50; Rolph & Clark Co.: Stamping, 1.25	3 75
L. K. Cameron: Staty., 9.25; Paper, 9.14; Bell Tel. Co.: Messages, 6.65	25 04
C. Gripton: Repairs, 4.50; Dom. Express Co.: Charges, 1.60	6 10
Wright Cartage Co.: Cartage, .75; Can. Express Co.: Charges, .55	1 30
Toronto Ry. Co.: Car tickets, 30.00; Toronto Ry. Guide: Subscription, 4.05	34 05
Can. Legal Pub. Co.: Law lists, 4.50; Might Directories: Directory, 6.00	10 50
J. Lovell & Son: Legal Compendium, 3.00; Sundry newspapers: Subscriptions, 11.50	14 50
E. B. Smith: Services at 8.00 per week, 16.00; Donald Bain: Taking inventory of stock, 50.00	66 00
C. S. Berthon: Extra services proof reading	50 00

INSPECTION OF REGISTRY OFFICES.

($2,250.00).

D. Guthrie:	Twelve months' salary as	Inspector	1,750 00
do	Allowance for travelling expenses		490 50
Warwick Bros. & Rutter:	Printing and binding, 9.25; Can. Express Co.: Charges, .25		9 50

MUNICIPAL AUDITOR.

($3,217.68).

J. B. Laing:	Twelve months' salary as	Auditor	2,100 00
do	Travelling expenses, 479.00; Rolph, Clark Co.: Steel die, 7.00		486 00

CIVIL GOVERNMENT.—*Continued.* LEGISLATION.

MUNICIPAL AUDITOR.—*Continued.*

Warwick Bros. & Rutter: Printing and binding, 13.28; Riordon Paper Mills: Paper, 7.05	20 33
L. K. Cameron: Staty., 10.35; Paper, 4.83; Mrs. Hubertus: Postage stamps, 20.00	35 18
G. O. Mercon: Services auditing Treasurer's books Village Pt. Edward, 196.00; expenses 33.20	229 20
W. A. Henderson: Expenses securing auditor	25 00
Kilmer & Irving: Fees and disbursements re Williamson v. twp. Elizabethtown	321 97

SPECIAL SERVICES *RE* INVESTIGATIONS ($1,200.00).

W. B. Wilkinson: Twelve months' salary as Clerk	1,200 00
Total Civil Government	$344,006.28

LEGISLATION.

SALARIES ($20,233.33).

Hon. W. A. Charlton: Services as Speaker			2,000 00
Hon. Chas. Clarke: Twelve months' salary as Clerk of the House			2,000 00
A. H. Sydere:	do	Assistant Clerk and Clerk of Routine	1,600 00
A. M. Dymond:	do	Law do	1,400 00
W. B. Wilkinson:	do	Assistant Law Clerk	200 00
C. S. Berthon:	do	Stenographer	450 00
J. M. Delamere:	do	Clerk and Postmaster	1,200 00
D. B. Wylie: Five	do	Assistant do	250 00
J. W. Dill: Six	do	do do	400 00
L. K. Cameron: Twelve	do	Accountant	400 00
Avern Pardoe:	do	Librarian	1,900 00
M. Wilson:	do	Assistant Librarian	1,000 00
E. J. O'Neill:	do	do do	550 00
Alex. Fraser:	do	Archivist	1,500 00
J. M. Belanger: Eight	do	Assistant Archivist	533 33
F. J. Glackmeyer: Twelve	do	Sergeant-at-Arms	1,000 00
Jas. Roberton:	do	Housekeeper and Chief Messenger	900 00
P. O'Brien:	do	Assistant Housekeeper	750 00
D. F. Tolchard:	do	Messenger	650 00
V. P. Fayle:	do	do	600 00
M. Bailey:	do	do	450 00
D. Keenan:	do	do	500 00

CLERKS OF COMMITTEES, ETC., ($3,182.20).

R. A. Kent: Services as Clerk to Committee on Standing Orders, Railways and Legal Committee	600 00
Wm. McArthur, Services as Clerk to Public Accounts Committee	400 00
E. H. P. Thomson: Services as Secretary to leader of Opposition	1,000 00
A. Geo. Rose: Services as Secretary to Mr. Speaker at 4.00 per day	444 00
E. Norman Smith: Services as Reporter Financial Statement	40 00
do do Transcription of evidence—956 folios	191 20
J. W. Dill: Services as Assisting Clerks of Committees at 3.00 per day	432 00
do do do Public Accounts Committee	75 00

SESSIONAL CLERKS, WRITERS, MESSENGERS AND PAGES. ($9,518.70).

Stenographers at 2.00 per day: A. J. Saunders, 178.00; H. Cameron, 178.00; Ina K. Brodie, 178.00; R. Duggan, 178.00; M. C. Jaffray, 172.00; Isabella Moore, 178.00	1,062 00
R. Clarke: Services as Writer at 3.00 per day	317 00
Jas. Brayley, 166.00; J. M. Prentiss, 222.00; J. Daley, 180.00; Geo. Scott, 208.00;	

LEGISLATION.—*Continued.*

SESSIONAL CLERKS, WRITERS, MESSENGERS AND PAGES.—*Continued*

Writers at 2.00 per day:	
Jas. Brayley, 166.00; J. M. Prentiss, 222.00; J. Daley, 180.00; Geo. Scott, 208.00....	
N. O. Philp, 132.00; P. W. O'Brien, 208.00; F. R. Yokome, 208.00;	
E. DeHaitre, 178.00; J. Wynn, 208.00; Levi Mackey, 208.00; W. D. Auldjo, 122.00..	
E. DeHaitre, 178.00; J. Wynn, 208.00; Levi Mackay, 208.00; W. D. Auldjo, 122.00;	
L. A. M. Lovekin, 178.00; F. J. Glackmeyer, 178.00; E. E. Augustine, 178.00;	
Irene Conway, 152.00; A. Hodgins, 140.00; J. J. Bell, 148.00;	
A. Pearson, 148.00; H. S. Rose, 118.00	3,280 00
Stenographers' and Writers' Travelling expenses:	
E. DeHaitre, 17.40; L. A. M. Lovekin, 15.70; H. Cameron, 15.00;	
Isabella Moore, 13.90; E. E. Augustine, 8.00; A. Hodgins, 7.10;	
A. Pearson, 2.40; H. S. Rose, 8.00	87 50
Messengers at 2.00 per day:	
C. W. McIntyre, 216.00; H. Trimble, 226.00; Wm. Quinn, 222.00	664 00
Messengers at 1.50 per day:	
D. Miller, 156.00; S. Ross, 180.00; M. Bailey 156.00; J. Tolchard, 156.00;	
H. A. Traux, 166.50; E. B. Boselly, 174.00; Jno. Playter, 147.00;	
M. J. Doran, 175.50; Jno. Wilson, 156.00; M. Roach, 157.50;	
Pedro Alma, 150.00; E. C. Lean, 148.50; Thos. McFarlane, 27.00;	
J. H. Porter, 87.00; E. A. Bishop, 156.00; D. Eccles, 114.00; L. Sullivan, 194.00	2,501 00
A. Currie: Services as Messenger at 1.00 per day	104 00
Messengers' travelling expenses:	
D. Miller, 6.10; E. B. Boselly, 5.30; M. J. Doran, 3.00; Jno. Wilson, 4.70	
D. Miller, 6.10; E. B. Boselly, 5.30; M. J. Doran, 3.00; Jno. Wilson, 4.70;	
M. Roach, 2.10	21 20
Pages at 1.00 per day:	
C. Parker, 104.00; R. Newton, 104.00; C. Murphy, 104.00; H. Jones, 104.00;	
W. Brophy, 104.00; E. B. Balfour, 104.00; W. Murphy, 104.00; F. McDowell, 104.00;	
A. Hacker, 104.00; H. Ferry, 104.00; T. Quinn, 104.00; T. Enright, 104.00;	
M. H. Gibson, 104.00	1,352 00

POSTAGE AND COST OF HOUSE POST OFFICE ($2,312.00).

Mrs. Hubertus: Postage stamps, 1,805.00; Postmaster: Special Delivery, 500.00 .. .	2,305 00
C. Gripton: Stamps and repairs....	7 00

STATIONERY, PRINTING AND BINDING ($50,334.59).

Warwick Bros. & Rutter: Printing & binding, 36,000.00; Riordon Paper Mills: Paper, 12,541.22	48,541 22
Buntin, Reid & Co.: Paper, 2,749.97; Kilgour Bros.; Paper & envelopes, 678.75.....	3,428 72
Davis & Henderson: Invoice boxes, 26.50; Barber & Ellis: Paper, 16.80	43 30
Advertising tenders, printing paper: Star Ptg. Co., 36.00; Globe Ptg. Co., 26.25 .. .	62 25
L. K. Cameron: Staty., for members, 2,252.47; Barber & Ellis Co.: Staty. for members, 1,150.00	3,402 47
Barber & Ellis Co.: To pay express charges, 48.01; Trunk and Leather Goods Co.: Despatch bag, 12.00	60 01
C. Beck Mfg. Co.: To pay express charges, 48.01; Trunk and Leather Goods Co.:	
Bell Tel. Co.: Messages	1 75
Engravings, cuts etc., for reports:—	
Entomological Socy., Ont., 18.00; Grip, Limited, 419.64;	
Thomson Engraving Co., 374.17; Toronto Engraving Co., 304.42;	
J. Maughan, 3.00....	1,119 23
Stamping: Rolph, Smith Co., 33.25; Miln-Bingham, 141.54; W. J. Wintemberg, 29.75	204 54
Toronto Ry. Co.: Car tickets, 10.00; Dom. Express Co.: Charges, 115.00	125 00
Can. Express Co.: Charges, 144.90; Wright Cartage Co.: Cartage, 9.60	154 50
Copp, Clark Co.: 2,000 mining maps	230 00
Toronto Litho. Co.: 4,000 maps, Algoma & Nipissing Districts	400 00
Services at 10.50 per week: T. W. Clarke, 73.50; James Sutherland, 73.50.....	147 00
A. F. Hunter: Manuscript for Archæological report	64 00
	$58,056 04
Less paper transferred to Departments	7,721 45
	$50,334 59

LEGISLATION.—*Continued.*

LIBRARY ($3,587.60).

Books:—
Carswell Co. 363.20; Congdon & Britnell, 64.60; Photographic Inst., .35; Publisher's Weekly, 11.18; G. P. Putnam's Sons. 30.15; Quebec News Co., 2.17; Rand, McNally & Co., 28.50; F. H. Revell Co., 2.40; J. H. Royden, M.D. 1.50; Piere Georges Roy, 34.45; C. Ryan, 2.00; St. Catharines Journal, 2.00; Scarboro Co., 15.00; J. E. Scopes, 13.81; C. Scribner's Sons, 4.00; J. Skinner, 9.72; E. Thompson Co., 22.50; Public Library, Toronto, .75; D. Van Nostrand, 6.64; F. A Werner, 12. 46; J. C. Winston Co., 9.50; Banks & Co. 27.00; Book Supply Co., 11.77; A. Britnell, 60.90; J. Britnell, 1.00; Buffalo Historical Socy., 4.00; Burrows Bros. Co., 17.58; J. W. Cadby, 48.74; J. H. W. Cadby, 3.96; Can. Law Book Co., 200.45; Chandler & Massey, 6.50; A. T. Chapman. 1.00; A. S. Clark, 16.88; A. H. Clark Co., 6.24; F. W. Coburn, 1.75; Copp, Clark Co., 49.86; N. O. Cote, 2.00; Culmulative Index Co., 3.75; F. A. Davis Co., 1.80; Labor Gazette, 1.50; Federal Book Co. 14.00; J. G. Foster, 3.00; P. Gagnon, 1150; Ginn & Co., 1.39; Goodspeed's Bookshop, 32.00; Henderson Pub. Co., 6.00; Hirchfelderr Estate 10.00; G. S. Holmested. 15.00; Houghton Mifflin & Co., 10.79; W. R. Houston, 3.00; C. W. Johnston, 16.00; D. Kennedy, .75; Kimball Bros., 14.57; N. M. Ladd, 4.12; C. E. Lauriat Co., 15.00; Linscott Pub. Co., 2.00; G. E. Littlefield, 9.47; L. P. McCarty, 3.50; J. McDonah, 62.16; McMillan Co., 6.50; Manufacturers List Co., 10.00; W. Briggs, 58.39; Moody Pub. Co.. 3.50; Morang & Co., 52.69; N. F. Morrison, 34.19; John Munn 9.00; Ont. Pub. Co., 5.00; J. W. Congdon, 27.50; E. G. Allen & Co., 536.20; W. Brown, 2.21; W. Brough & Sons, 5.25; W. Georges Sons. 45.58; Henry Gray, 7.04; G. Harding, 37.37; P. S. King & Son, 138.57; Lowe Bros., 1.87; Mudie's Library, 63.10; J. Pearce, 6.59; Pickering & Chatto, .95; W. H. Smith & Son, 47.28; F. J. Truelove, 19.07; Librarie C. H. Chadnat, 10.47; A. Saffroy, 3.91; Dodd, Mead & Co., 35.22; Kelly's Directories 5.00; J. Lovell & Sons, 3.00; R. Renault, 33.75; Review Canadian, 3.00; C. Therot, 5.00; Mrs. E. J. Bulmer, 72.50; Mrs. J. Smith, 2.00; N. Y. Tribune, 1.50; J. Southwick, 1.25 ..... 2,632 53

Periodicals, Magazines, etc.: H. A. Wilson Co., 8.75; W. Tyrrell & Co., 121.71 ..... 130 46

Sundry Magazines & Periodicals, 300.70; Can. Legal Pub. Co.: Law lists, 7.50 ..... 308 20

Subscriptions: Circuit Guide, 60; Can. Law Review, 5.00; Am. Dialect Co., 1.00; Am. Economic Assn. 4.00; Am. Library Assn., 2.00; Mich. Political Sc. Assn., 2.00 ; Nat'l Conference Charities, 2.75; Annual Review, 6.00 ..... 23 25

Globe Ptg. Co.: Extra copies, 5.60; Mail Ptg. Co.: Extra copies. 4.80 ..... 10 40

Union Pub. Co.: Directories, 18.00; Might Directories: Directory, 6.00 ..... 24 00

Grip, Limited: Halftones, 5.50; Warwick Bros. & Rutter: Priting & binding, 326.85 ..... 332 35

C. Tarling & Co.: Mounting maps, 11.00; Rolla L. Crain Co.: Sheets, 22.50 ..... 33 50

Wright Cartage Co.: Cartage, .50; Can. Express Co..; Charges, 42.40 ..... 42 90

Dom. Express Co.: Charges, 26.94; C. P. Ry. Co.: Freight charges, 1.56 ..... 28 50

G.T. Ry. Co.: Freight charges, .70: C. W. Irwin: Brokerage, 18.00 ..... 18 70

A. Currie: Glue, &c., reps. to books, 1.10; G. Pearsall: Glue, &c., reps. to books, 1.71.. 2 81

INDEMNITY TO MEMBERS ($100,920.00).

L. K. Cameron, to pay indemnity to Members 100,920 00

EXPENSES ($9,922.72).

Telegrams: G.N.W. Tel. Co., 27.89; C.P.R. Telegraph, 15.20 ..... 43 09

Bell Telephone Co.: Messages, 29.45; Toronto Ry. Co.: Car tickets, 102.00 ..... 131 45

Dom. Express Co.: Charges, 68.13; Can. Express Co.: Charges, 100.28 ..... 168 41

Cartage: Can. Transfer Co., 1.25; Wright Cartage Co., 25.35 ..... Duggan's Express, .25; C. Spragge, .50 ..... 27 35

J. Roberton: To pay freight charges 2 00

Cab hire: Doane Bros., 198.35; P. Maher, 2.75; G. W. Verral, 1.25 ..... 202 35

C. Gripton: Stamps and repairs 14 25

Rent of Typewriters: United Typewriter Co., 26.60; A. D. Fisher & Co., 19.50 ..... Remington Typewriter Co., 33.00; Newsome & Gilbert, 28.00 ..... 107 10

Can. Legal Pub. Co.: Law list, 3.00; Toronto Ry. Guide: Subscription, 5.00 ..... 8.00

J. Lovell & Son: Legal compendium, 6.00; Annual Review: Subscription, 6.00 ..... 12 00

Might Directories: Directories, 24.00; Rand, McNally & Co: Atlas, 30.00 ..... 54.00

Books: Carswell Co., 20.00; B. Nicholson, 2.50; Can. Law Book Co., 9.00 ..... 31 50

Sundry Newspapers: Subscr'n's, 678.15; Advtg. re private bills, 254.98 ..... 933 13

LEGISLATION.—*Concluded.*

EXPENSES—*Concluded.*

Librarian, University Toronto: 150 copies review hist'l publications 75 00

Griffin & Kidner Co., 200 copies & memos. illustrations *re* assessments 19 50

Sundry supplies for Speaker W. A. Murray & Co., 43.50; J. Fullerton, 4.20; Nerlich & Co., 1.00; R. Parker & Co., 1.60 ..... 50 30

F. F. Clark: Engrossing cards 7 00

Police Benefit Fund: Guard at opening and closing 80 00

N. McEachern: Repg. official suits, 4.70; Ryrie Bros.: Repg. mace, 14.00 ..... 18 70

Warwick Bros. & Rutter: Printing and binding 5 10

L. K. Cameron: Staty., 416.37; paper, 52.07 ..... 468 44

Stationery: J. R. Bond, .50; W. H. Sparrow, .20; W. Younger, .50; A. T. Skill, .75 ..... 1 95

Services: J. W. Dill, 15.00 per wk., 170.00; W. H. Sutherland 60.00 per month, 30.00; R. B. Lowndes: Proof reader, 4.00 per day, 488.00; J. Blakely: 2.00 per day, 72.00; P. C. McArhur, 156.00; C. Graham, 94.00; A. F. Demery, 48.00 ..... 1,058 00

J. W. Brant: Printing and addresses, reports, 39.00; M. J. O'Driscoll: Mailing reports, 48.00 ..... 87 00

Sundry Persons: Messenger service 8 00

Legal Services, revising Bills, etc.: Hunter & Hunter, 100.00 ..... J. G. O'Donoghue, 250.00; W. H. Hunter, 350.00; Mowat, Langton & Co., 750.00 ..... 1,450 00

Services & Expenses Witnesses Public Accounts Committee: —

R. A. Grant: Services, 10.00; A. G. Knowles: Services, 15.00; exp., 43.45; R. A. Lyon: Services, 15.00; exp., 43.45; A. W. Robarts: Services, 15.00; exp., 43.45; P. H. B. Dawson: Services, 20.00; exp., 50.00; Thos. Williams: Services, 20.00; exp., 16.25 ..... D. D. Lewis: Services, 10.00; exp., 41.45; Frank Ford: Services, 5.00 ..... A. Elliott: Services, 15.00; exp., 41.45; A. H. Chitty: Services, 25.00; exp. 50.00; G. A. Harcourt: Services, 15.00; C. P. Worthington: Services, 15.00; exp., 43.45; W. Ryan: Exp., 26.20; W. R. Russell: Exp., 18.00; H. L. Drayton: Services, 5.00 604 15

Municipal Taxation, Assessment and Trading Committee:—

C. H. Black: Services, 15.00; S. Beck: Services, 18.00; J. R. Barber: Services, 36.00 T. H. Preston: Services, 60.00; exp., 16.00; J. H. Pettypiece: Services, 60.00; exp., 16.00 .....

V. Stock:	Services, 60.00; exp., 16.00;		John Lee:	Services, 60.00; exp., 16.00;	
A. G. McKay:	do 18.00;		E. J. B. Pense:	do 54.00;	do 12.00;
H. Carscallen:	do 36.00; exp., 74.00;		Jas. F. Duff:	do 60.00;	do 16.00;
W. H. Hoyle:	do 60.00;	do 16.00;	W. J. Hanna:	do 30.00;	do 16.00;
F. G. Macdiarmid:	do 48.00;	do 8.00;	J. Tudhope:	do 54.00;	do 12.00;
J. P. Whitney:	do 54.00;	do 12.00;	J. J. Foy:	do 36.00;	
J. S. Hendrie:	do 10.00;		J. M. Gibson:	do 42.00;	
G. P. Graham:	do 18.00;		J. C. Forman:	Services, 100.00;	

T. Crawford: Services, 6.00 .....

K. W. McKay: Services, 100.00; exp., 46.30; D. Murphy: Services, 18.00; F. R. Hutton: do 300.00; exp., 175.00; T. H. Preston: do 14.00; Thos. Langton: Legal services, 738.00; Avern Pardoe: Secretary, 350.00 ..... 2,848 30

Forms: Times Ptg. Co., 15.00; Spectator C., 14.00; McPherson & Drope, 4.00; R. Raw & Co., 9.75; Jas. Ennis & Co., 6.75 ..... 49 50

C.P.R. Telegraph: Telegrams, 20.11; G.N.W. Tel. Co.: Telegrams, 31.79 ..... 51 90

Provincial Archivists Office:—

A. Fraser: Trav. expenses, 95.45; A. Britnell: Books, 13.15 ..... 108 60

Can. Legal Pub. Co.: Law list, 3.00; Might Directories: Directory, 6.00 ..... 9 00

Services at 2.00 per day: I. K. Brodie, 52.00; E. E. Augustine 52.00; M. Merrill, 80.00 ..... 184 00

Subscriptions: Globe Ptg. Co., 4.55; Forest Free Press, 1.00; Amherstburg Echo, 1.00; La Ciele Pub. due Nationale, 1.00 ..... 7 55

J. McKay & Co.: Services *re* investigation acc's. C. Lands & Treas'y Depts., Gamey investigation 700 00

C. S. Grant: Registrar Gamey Inv., 200.00; D. F. Tolchard: Meals telegraph operators, 59.10 ..... 259 10

D. F. Tolchard: Meals members all night session, 25.00; Hyslop Bros.; Reps. to messenger's wheel, 12.00 ..... 37 00

Total Legislation $200,011.14

ADMINISTRATION OF JUSTICE.

SUPREME COURT OF JUDICATURE ($37,024.43).

Hon. Chas. Moss	Chief Justice of Ontario,	Allowance		1,000 00
Hon. F. Osler	Justice of Appeal,	do		1,000 00
Hon. James Maclennan	do	do		1,000 00
Hon. J. T. Garrow	do	do		1,000 00
Hon. J. J. Maclaren	do	do		1,000 00
Hon. Sir J. A. Boyd	Chancellor of Ontario,	do		1,000 00
Hon. Thos. Ferguson	Justice, Chancery,	do		583 34
Hon. Jas. Magee	do	do		516 67
Hon. T. Robertson	do	do		299 45
Hon. R. M. Meredith	do	do		1,000 00
Hon. W. G. Falconbridge	Chief Justice, King's Bench,	do		1,000 00
Hon. W. P. R. Street	Justice, do	do		1,000 00
Hon. B. M. Britton	do do	do		1,000 00
Hon. Sir W. R. Meredith	Chief Justice, Common Pleas,	do		1,000 00
Hon. Hugh McMahon	Justice do	do		1,000 00
Hon. J. V. Teetzel	do	do		1,000 00
Hon. J. Idington	Exchequer	do		793 95
Hon. F. A. Anglin	do	do		793 95
Jas. S. Cartwright. Twelve months' salary as Master in Chambers				3,200 00
F. Arnoldi: do	Clerk do			1,700 00
Clarence Bell: do	Assistant Clerk			1,000 00
A. B. G. Cull: do	Entering do			600 00
Warwick Bros. & Rutter: Printing & binding, 10.70; Rolph Smith & Co.: Stamping, 1.88				12 58
Mrs. Hubertus: Postage stamps, 83.00; L. K. Cameron: Stationery, 157.04; paper, 3.60				243 64
Might Directories: Directory, 6.00; Canada Legal Publishing Co.: Legal chart and law list, 7.50				13 50
Circuit Guide Pub. Co.: Copies, 3.50; B. W. Murray: Interest tables, 10.00				13 50
C. Gripton: Puncher, 9.00; Remington Typewriter Co.: Typewriter, 112.50				121 50
Wright Cartage Co.: Cartage, 2.15; Can. Law Book Co.: Binding, 1.15				3 30
Thos. Hodgins: Twelve months' salary as	Master in Ordinary			4,000 00
Neil McLean: do	Chief Clerk and Accountant			2,000 00
A. E. Bastedo: do	Clerk and Stenographer			1,300 00
Mrs. Hubertus: Postage stamps 15.00; L. K. Cameron: Staty., 110.55				125 55
Circuit Guide Pub. Co.: Copies, 1.00; Can. Law Journal: Subscription, 5.00				6 00
Annual Digest, 3.50; Law Times & Reporter, 14.00; Can. Legal Pub. Co.: Legal Chart and law list, 9.00				26 50
G. S. Holmested: Book, 3.50; Carswell Co.: Law books, 33.00; Can. Law Book Co.: Law books, 16.35				52 85
Remington Typewriter Co.: Supplies, .75; T. Hodgins, Trav. expenses, 31.30; Wright Cartage Co.: Cartage, 1.00				33 05
J. H. Thom: Twelve months' salary as	Senior Taxing Officer			2,150 00
M. J. Macnamara: do	Junior do			1,700 00
J. A. McAndrew: do	Registrar			2,000 00
L. K. Cameron: Printing & Stationery, 21.35; Can. Legal Pub. Co.: Legal Chart & Law list, 9.00				30 35
Carswell Co.: Law reports, 4.00; Wright Cartage Co.: Cartage, .75				4 75
Hon. Justice Osler: Grant to Judges' Library, 300.00; G. S. Holmsted: Grants to Judges' Library, 1903-04, 400.00				700 00

COURT OF APPEAL ($3,788.38).

C. S. Grant: Twelve months' salary as	Clerk			1,300 00
W. M. Winterberry: do	Secretary to Judges			800 00
Eli Oliver: do	Usher and Messenger			800 00
Warwick Bros. & Rutter: Printing & binding, 204.22; Riordon Paper Mills: Paper, 17.00				221 22
L. K. Cameron: Staty., 152.60; paper, 25.71; Annual Digest, subscription, 3.50				181 81
Can. Law Journal: Subscription, 5.00; Can. Legal Pub. Co.: Legal chart and law list, 4.50				9 50

ADMINISTRATION OF JUSTICE.—*Continued.*

COURT OF APPEAL.—*Continued.*

Circuit Guide Pub. Co.: Copies, 1.00; Might Directories: Directory, 6.00	7 00
C. Gripton: Stamps, 8.00; Dom. Express Co.: Charges, 9.35; Wright Cartage Co.: Cartage, 1.50	18 85
Hon. Chief Justice Moss: Allowance, petty expense fund	450 00

HIGH COURT ($2,782.09).

G. B. Nicol: Twelve months' salary as Clerk of Assize	1,200 00
A. E. Trow: do do Process	1,400 00
Warwick Bros. & Rutter: Printing & binding, 34.45; L. K. Cameron: Staty., 59.35; paper, 30.79	124 59
Mrs. Hubertus: Postage stamps, 19.00; Can. Legal Pub. Co.: Legal chart and law list, 7.50	26 50
Might Directories: Directory, 6.00; G. B. Nicol: Petty office expenses, 25.00	31 00

CENTRAL OFFICE ($13,955.19).

M. B. Jackson: Twelve months' salary as Clerk of the Crown	2,500 00
Edmund Harley: do do Records and Writs	1,550 00
Alex. MacGregor: do Senior Clerk	1,200 00
A. J. Elliot: do Clerk	1,000 00
W. MacTavish: do do	1,000 00
F. W. Scott: do do	850 00
R. F. Killaly: do do	800 00
M. B. Black: do do	800 00
R. W. Ralfe: do do	700 00
Geo. Hilliar: do Housekeeper and Messenger	700 00
J. Gorrie: do Messenger	600 00
G. Crawford: do do	300 00
C. Sutherland: do Housekeeper	350 00
Geo. Smith: do Asst. Housekeeper	400 00
Warwick Bros. & Rutter: Printing & binding, 62.21; Riordon Paper Mills: Paper, 1.51	63 72
Mrs. Hubertus: Postage Stamps, 38.00; L. K. Cameron: Staty., 196.04; paper, 2.18	236 22
C. Gripton: Stamps, 9.00; Copeland-Chatterson Co.: Ledger binders, leaves, etc., 93.20	102 20
Might Directories: Directory, 6.00; Can. Legal Pub. Co.: Legal charts and law lists, 13.50	19 50
Can. Law Journal: Subscription, 5.00; Carswell Co.: Law reports, 4.00	9 00
Wright Cartage Co.: Cartage, 1.55; J. Gorrie: Extra services *re* Exchequer Division, 50.00	51 55
R .F. Killaly: Extra services checking Chancery books	75 00
Twelve months' services cleaning: T. Rumney, 420.00; M. Hilliar, 228.00	648 00

REGISTRAR'S OFFICE ($9,954.84).

Geo. S. Holmested: Twelve months' salary as Senior Registrar	2,175 00
A. F. Maclean: do Junior do	2,000 00
Geo. M. Lee: One do do do	134 00
C. O. Strange: Twelve do Clerk	1,200 00
A. G. Blain: do do	1,500 00
W. W. Perry: do Usher and Stenographer	800 00
G. L. Crooks: One & one-half do do do	74 00
Robt. Lawson: Twelve do do do	650 00
R. A. Walker: do do do	650 00
Warwick Bros. & Rutter: Stationery, 88.22; Rolph, Smith & Co.: Embossing, 7.50	95 72
Hart & Riddell: Embossing, 9.00; Rolph & Clark Co.: Stamping, 6.25	15 25
L. K. Cameron: Stationery, 351.25; Paper, 21.94; Riordon Paper Mills: Paper, .30	373 49
C. Gripton: Stamp and repairs, 4.75; Mrs. Hubertus: Postage stamps, 70.50	75 25
C. P. R. Co. Telegraph, 18.68; G. N. W. Tel. Co., 14.35; Bell Tel. Co.: Messages, 1.25	34 28
Dom. Express Co.: Charges, .90; Can. Express Co., .50; Wright Cartage Co.: Cartage, 3.20	4 60
Can. Legal Pub. Co.: Legal charts and law lists, 13.50; Circuit Guide Pub. Co.: Copies, 21.50	35 00

ADMINISTRATION OF JUSTICE.—*Continued.*

REGISTRAR'S OFFICE—*Continued.*

Can. Law Journal: Subscription, 5.00; Might Directories: Directories, 12.00	17 00
B. Cairns: Linen marker, 1.00; Planet Bicycle Co.: Repairing wheel, 6.25	7 25
G. R. Jones: Services during illness W. W. Perry	114 00

WEEKLY COURT ($1,709.70).

Geo. M. Lee: Eleven months' salary as Clerk	1,695 00
L. K. Cameron: Stationery, 5.20; Can. Legal Pub. Co.: Law lists, 3.00	8 20
Might Directories: Directory, 6.00; Wright Cartage Co.: Cartage, .50	6 50

SURROGATE OFFICE ($3,434.71).

C. J. McCabe: Twelve months' salary as Surrogate Clerk	2,000 00
W. S. Anderson: do Clerk	800 00
F. B. Reade: do Stenographer half time	225 00
Warwick Bros. & Rutter: Printing and binding, 38.75; Rolph, Smith & Co.: Stamping, 2.90	41 65
L. K. Cameron: Stationery, 48.95; Paper, 17.86; Mrs. Hubertus: Postage stamps, 16.00	82 81
C. Gripton: Stamps and repairs, 7.00; Can. Legal Pub. Co.: Legal charts and law lists, 9.00	16 00
Wright Cartage Co.: Cartage	1 25
Services during illness W. S. Anderson at 2.00 per day, J. T. McCabe, 180.00; N. O. Philp, 66.00; A. P. Ryan, 22.00	268 00

COMMUTATIONS *re* SURROGATE JUDGES, LOCAL MASTERS, ETC., ($28,516.72).

His Honor Judge Elliot:	One months'	commutation as	Surrogate	Judge	83 00
do	Ardagh: Twelve	do	do		585 00
do	McDonald:	do	do		600 00
do	Benson:	do	do		840 00
do	Winchester:	do	do		2,600 00
do	Morgan:	do	do		1,600 00
do	Morson:	do	do		1,000 00
do	Deacon: One	do	do		22 00
do	Price: Twelve	do	do		752 00
do	Dean:	do	do		500 00
do	Hardy:	do	do		588 00
do	McCarthy:	do	do		168 00
do	Hughes: Four	do	do		228 00
do	Doyle: Twelve	do	do		1,000 00
do	Barron:	do	do		873 00
do	Barron:	do	Local Master		850 00
do	Dean:	do	do		900 00
do	Morrison: Nine	do	do		232 50
do	Klein: Twelve	do	do		400 00
J. E. O'Reilly:	Twelve months'	commutation as	Local Master		3,500 00
S. S. Lazier:	do	do			3,000 00
A. M. McKinnon:	do	do			2,000 00
J. F. Hare:	do	do			800 00
F. W. Macdonald:	One-fourth do	do			26 30
J. W. Curry: Allowance as Crown Attorney, Toronto, upon commutation of fees, 63 Vic., Cap. 17					3,500 00
Judge Holt: Allowance out of surplus Surrogate fees, 1903					216 92
do	Edward Elliott:	do			666 00
do	Jamieson:	do			107 00
do	Klein:	do			213 00
do	Musgrove:	do			666 00

ADMINISTRATION OF JUSTICE.—*Continued.*

INSPECTION DIVISION COURTS ($6,079.07).

Jos. Dickey: Twelve months' salary as		Inspector	1,800 00
W. H. Higgins:	do	Assistant Inspector	1,300 00
J. B. Macdonald:	do	Clerk	1,050 00
H. A. Locke:	do	do	500 00
Warwick Bros. & Rutter: Printing and binding, 80.01; Riordon Paper Mills: Paper, 9.80			89 81
L. K. Cameron: Stationery, 55.15; Paper, 22.07; Mrs. Hubertus: Postage stamps, 110.00			185 20
Rolph & Clark Co.: Stamping, 8.25; Postmaster: Postge, .58			8 83
G. N. W. Tel. Co.: Telegrams, 20.61; C. P. R. Co's Tel., 12.00; C. Gripton: Repairing stamps, 2.25			34 86
Can. Law Journal: Sub., 5.00; Can. Legal Pub. Co.: Law list, 3.00; Globe Ptg. Co.: Subscription, 5.00			13 00
Jos. Dickey: Trav. expenses, 647.25; W. H. Higgins, 444.12; Toronto Ry. Co.: Car tickets, 6.00			1,097 37

DEPUTY CLERKS OF THE CROWN AND PLEAS ($16,650.00).

J. T. Hewitt: Salary as	Deputy Clerk of the	Crown and Pleas,	Brant	450 00
Matthew Goetz:	do	do	Bruce	450 00
J. P. Featherstone:	do	do	Carleton	450 00
Jno. McLaren:	do	do	Dufferin	450 00
D. McLaws:	do	do	Elgin	450 00
Francis Cleary:	do	do	Essex	450 00
A. McGill:	do	do	Frontenac	187 50
J. L. Whiting (acting):	do	do	do	112 50
T. M. Asselstine:	do	do	do	150 00
S. C. Macdonald:	do	do	Haldimand	400 00
W. A. Bishop:	do	do	Grey	500 00
W. A. Lawrence:	do	do	Halton	400 00
A. G. Northrup:	do	do	Hastings	450 00
D. McDonald:	do	do	Huron	500 00
J. Holmes:	do	do	Kent	450 00
Alex. Saunders:	do	do	Lambton	450 00
W. P. McEwen:	do	do	Lanark	450 00
O. K. Fraser:	do	do	Leeds & Grenville	500 00
W. P. Deroche:	do	do	Lennox & Addington	400 00
J. Clench:	do	do	Lincoln	450 00
J. Macbeth:	do	do	Middlesex	500 00
C. C. Rapelje:	do	do	Norfolk	450 00
Jno. T. Field:	do	do	Northumberland and Durham	500 00
L. T. Barclay:	do	do	Ontario	450 00
J. Canfield:	do	do	Oxford	450 00
J. B. Dixon:	do	do	Peel	400 00
W. H. R. Allison Estate:	do	do	Prince Edward	37 36
N. Gilbert:	do	do	do	362 64
W. C. Moscrip:	do	do	Perth	450 00
J. Moloney:	do	do	Peterboro	450 00
J. Belanger:	do	do	Prescott & Russell	450 00
J. A. McDougald:	do	do	Stormont, Dundas & Glengarry	500 00
J. McL. Stevenson:	do	do	Simcoe	500 00
M. McKay:	do	do	Renfrew	400 00
W. Grace Estate:	do	do	Victoria	40 50
D. R. Anderson:	do	do	do	409 50
J. McDougall:	do	do	Waterloo	450 00
I. P. Willson:	do	do	Welland	400 00
T. H. A. Begue:	do	do	Wentworth	500 00
T. H. Murray (acting):	do	do	Algoma	100 00
J. Meek:	do	do	Thunder Bay	100 00
E. Jordan:	do	do	Parry Sound	100 00
I. Huber:	do	do	Muskoka	100 00
T. J. Bourke:	do	do	Nipissing	450 00

ADMINISTRATION OF JUSTICE.—*Continued.*

LOCAL REGISTRARS ($6,821.05).

J. T. Hewitt: Salary as Registrar		Brant	225 00
Matthew Goetz:	do	Bruce	225 00
John McLaren:	do	Dufferin	225 00
D. McLaws:	do	Elgin	225 00
Francis Cleary:	do	Essex	225 00
A. McGill:	do	Frontenac	93 75
J. L. Whiting (acting):	do	do	56 25
T. M. Asselstine:	do	do	75 00
S. C. McDonald:	do	Haldimand	200 00
W. A. Bishop:	do	Grey	250 00
W. A. Lawrence:	do	Halton	200 00
D. McDonald:	do	Huron	250 00
James Holmes:	do	Kent	225 00
Alex. Saunders:	do	Lambton	225 00
Wm. P. McEwen:	do	Lanark	225 00
O. K. Fraser:	do	Leeds and Grenville	250 00
W. P. Deroche:	do	Lennox and Addington	200 00
J. Clench:	do	Lincoln	221 05
C. C. Rapelje:	do	Norfolk	225 00
Jno. T. Field:	do	Northumberland and Durham	250 00
L. T. Barclay:	do	Ontario	225 00
J. B. Dixon:	do	Peel	200 00
W. H. R. Allison Estate:	do	Prince Edward	18 68
N. Gilbert:	do	do	181 32
W. C. Moscrip:	do	Perth	225 00
J. Moloney:	do	Peterborough	225 00
J. Belanger:	do	Prescott and Russell	225 00
M. McKay:	do	Renfrew	200 00
J. A. McDougald:	do	Stormont, Dundas and Glengarry	250 00
W. Grace Estate:	do	Victoria	19 94
D. R. Anderson:	do	do	205 06
J. McDougall:	do	Waterloo	225 00
I. P. Willson:	do	Welland	200 00
T. H. Murray (acting):	do	Algoma	50 00
J. Meek:	do	Thunder Bay	50 00
E. Jordan:	do	Parry Sound	50 00
I. Huber:	do	Muskoka	50 00
T. J. Bourke:	do	Nipissing	150 00

LAND TITLES OFFICE ($5,858.08).

J. G. Scott: Twelve months' salary as		Master of Titles	3,000 00
H. D. Sinclair:	do	Chief Clerk	1,050 00
H. C. Russell:	do	Clerk	800 00
W. G. Yelland:	do	do	750 00
Warwick Bros. & Rutter: Printing and binding, 76.44; L. K. Cameron: Stationery, 130.22; Paper, 29.07			235 73
Can. Legal Pub. Co.: Law list, 3.00; C. E. Goad: Revision of atlas Toronto and vicinity, 5.00			8 00
James McMaster: Postage stamps, 8.00; Wright Cartage Co.: Cartage, 1.75			9 75
C. Potter: Circle measurer, .35; T. Eaton Co.: Toilet set, 3.25; Geo. Lugsdin & Co.: repairing brief bag, 1.00			4 60

LOCAL MASTERS OF TITLES IN THE DISTRICTS ($4,745.68).

H. C. Hamilton: Allowance as Local Master		Sault Ste. Marie	731 70
P. McCurry:	do	Parry Sound	658 80
J. E. Lount:	do	Bracebridge	318 15
J. M. Munro:	do	Port Arthur	164 70
Jno. Loughrin:	do	North Bay	646 80
F. J. Apjohn:	do	Rat Portage	1,050 50

ADMINISTRATION OF JUSTICE.—*Continued.*

LOCAL MASTERS OF TITLES IN THE DISTRICTS.—*Continued.*

Sault Ste. Marie:	
W. Simpson: Rent of office, 109.70; L. K. Cameron: Stationery, 31.50	141 20
Dom. Express Co.: Charges, 1.83; Can. Express Co., .70	2 53
North Bay:	
L. K. Cameron: Stationery, 73.25; Can. Express Co.: Charges, 2.35	75 60
Rat Portage:	
Electric Light and Tel. Dept.: Light, 19.20; Renewal lamps, 1.25	20 45
C. Gripton: Stamps, 4.00; L. K. Cameron: Stationery, 83.50; Dom. Express Co.: charges, 7.80	95 30
Parry Sound:	
L. K. Cameron: Stationery, 74.90; Warwick Bros. & Rutter: Printing and binding, 7.65; Can. Express Co.: Charges, 1.26	83 81
Bracebridge:	
L. K. Cameron: Stationery, 20.50; Rolph, Smith & Co.: Repairing seal, 1.85	22 35
Canadian Express Co.: Charges	1 00
Port Arthur:	
L. K. Cameron: Stationery, 17.50; Can. Express Co.: Charges, 1.00; Wells & Emmerson: Stove, pipe, etc., 15.70	34 20
Fort Francis:	
L. K. Cameron: Stationery, 139.55; Warwick Bros. & Rutter: Printing, 5.95	145 50
Rolph, Smith & Co.: Seal and press, 6.50; C. Gripton: Stamps, etc., 7.75	14 25
Wells Hardware Co.: 9½ tons coal, 94.50; Cartage, 4.73	99 23
G. T. Railway Co.: Freight charges, 4.67; Dom. Express Co.; charges, 6.13	10 80
H. J. Sissons: To pay freight, etc., 6.18; Trav. expenses *re* appointment and taking over books, 154.15	160 33
General:	
Warwick Bros. & Rutter: Printing and binding, 54.15; L. K. Cameron: Paper, 52.06	106 21
Jas. McMahon: Postage stamps, 6.00; G. Wynn: Copying, 11.00; Can. Express Co.: Charges, 1.15	18 15
J. G. Scott: To pay telegrams, express charges, etc., 7.31; Trav. expenses and disbursements, 136.81	144 12

DRAINAGE TRIALS ACT ($5,227.60).

J. B. Rankin: Twelve months' salary as Referee	3,500 00
E. I. Scully: do Stenographer	900 00
L. K. Cameron: Stationery, 98.68; Rolph, Smith & Co.: Stamping, 11.02.	109 70
Can. Express Co.: Charges, 3.75; Trav. expenses: J. B. Rankin, 518.00; E. I. Scully, 196.15	717 90

DISTRICT OF ALGOMA ($22,240.71).

W. A. Quibell: Twelve months' salary as		Stipendiary Magistrate		1,400 00
Geo. Burden:	do	do	do	1,000 00
D. M. Brodie:	do	Police	do	1,000 00
W. H. Carney:	do	Sheriff		1,400 00
J. J. Kehoe: Nine	do	Clerk of the Peace and District Attorney		300 00
N. Simpson: Two & three-fourths		do	do	93 75
T. H. Murray: Twelve	do	Clerk District Court		600 00
R. Rush:	do	Constable		600 00
Jno. Tansey:	do	do		400 00
Isaac Hortie:	do	do		200 00
Wm. Irving: Six	do	do		250 00
A. E. Storie: Five	do	do		208 34
Jno. Egan: Twelve	do	do		100 00
Thos. Lonergan:	do	do		150 00

ADMINISTRATION OF JUSTICE.—*Continued.*

DISTRICT OF ALGOMA.—*Continued.*

J. J. Kehoe:	Allowance for rent of	office	75 00
N. Simpson:	do	do	23 44
T. H. Murray:	do	do	150 00
Alex. Thorburn:	Twelve months' salary as	Lock-up Keeper, Gore Bay	300 00
Margaret Thorburn:	do	Matron, Gore Bay	100 00
A. McKellar:	do	Gaoler, Sault Ste. Marie	600 00
Isabella McKellar:	do	Matron, do do	200 00
C. B. Harris:	do	Turnkey, do do	450 00
Wm. Harris:	Nine do	Assistant Turnkey, Sault Ste. Marie	305 40
James McLurg:	Twelve do	Gaol Surgeon, do do	200 00
Thos. Gorley:	do	Lock-up Keeper, Manitowaning	200 00
Ruthven Hay:	do	do Little Current	200 00
J. B. Gilbert:	do	do Mine Centre	300 00
Wm. Irving:	Six do	do Webbwood	75 00
A. E. Storie:	Five do	do do	62 50
Louisa Irving:	Twelve do	Matron, Webbwood	75 00
Ennis Chambers:	do	Lock-up Keeper, Massey	100 00
Jno. Tansey:	do	do Blind River	75 00
Nelson Harmon:	do	do Wa Wa	300 00
Thos. Lonergan:	do	do Chapleau	75 00

W. H. Carney, Local Treasurer: To pay Administration of Justice accounts: December quarter, 1,983.53; March quarter, 1,881.97; June quarter, 2,372.68 .... September quarter, 1,371.02; December quarter, 1,400.00 ..... 9,609 30

M. F. Keeley: Services as Constable at Spragge at 75.00 per month, 304.00; Disbursements, 196.90 .... 500 90

J. N. Black: Services as Constable at Killarney at 50.00 per month, 225.00; Trav. expenses, 19.00; Board allowance, 67.50 ..... 311 50

F. Leighfield: Plastering Gaoler's house, 5.75; Farwell & Co.: Stoves, etc., 62.00 .... 67 75

Culliton & Anstey: Repairing pipes, 1.80; S. J. Bradley: Repairing stoves, 2.00 .... 3 80

Rice Lewis & Son: Leg irons, 7.00; R. Hay: Carpentering, 9.00; A. Gagnon: Plastering, 3.50 .... 19 50

Moore & Brown: File boxes, hardware, etc., 28.19; P. Freemont: Repairing lock-up, 2.50 30 69

N. R. Smith: Book case, 6.50; Hart & Riddell: Division Court Books, 50.09 .... 56 59

L. K. Cameron: Stationery, 271.25; Can. Express Co.: Charges, 2.82; Dom. Express Co., 6.25 .... 280 32

J. E. Henderson: Trav. expenses as Reporter at Assizes, 41.19; J. E. Rogers: Expenses *re* murder, 44.95 .... 86 14

W. Greer: Expenses *re* murder 305 79

DISTRICT OF THUNDER BAY ($15,158.48).

W. C. Dobie:	Twelve months' salary as	Stipendiary Magistrate	1,000 00
A. McDougall:	do	do do	1,000 00
A. W. Thompson:	do	Sheriff and Treasurer	1,200 00
J. Meek:	do	Clerk District Court	450 00
David Mills (acting):	do	do of Peace and Dis. Attorney	250 00
James Whalen:	Ten & one-half	Constable	350 00
Henry Doyle:	One & one-fourth	do	42 21
Thos. Penfold:	Twelve do	Gaoler, Port Arthur	600 00
Nettie Penfold:	do	Matron, do	175 00
G. W. Brown, M.D.:	do	Gaol Surgeon, do	150 00
Richard McNabb:	do	Gaoler, Fort William	575 00
Janet McNabb:	do	Matron, do	125 00
W. H. Hamilton, M.D.:	do	Gaol Surgeon, do	200 00

A. W. Thompson, Local Treasurer: To pay Administration of Justice accounts: December quarter, 2,158.54; March quarter, 1,477.49; June quarter, 2,478.62 ..... September quarter, 1,169.34; December quarter, 1,500.00 .... 8,783 99

Rice Lewis & Son: Handcuffs, leg irons, etc., 33.00; W. T. Strachan: Papering, 6.89.. 39 89

J. A. Widding: Papering, 22.00; J. E. McNabb: Storm sash, doors, etc., 34.20 ..... 56 20

Hart & Riddell: Division Court books, 10.00; L. K. Cameron: Stationery, 92.50 ..... 102 50

Dom. Express Co.: Charges, 6.60; J. E. Henderson: Trav. expenses as Reporter at Assizes, 49.59 .... 56 19

J. W. Murray: Expenses *re* Spragge forgery case 2 50

ADMINISTRATION OF JUSTICE.—*Continued.*

DISTRICT OF RAINY RIVER ($14,196.90).

James Robinson:	Twelve months' salary as	Stipendiary Magistrate & Local Treasurer	900 00
W. Young:	do	Police Magistrate	800 00
C. J. Hollands:	do	do	400 00
J. W. Humble:	do	Sheriff	1,000 00
F. J. Apjohn:	do	Registrar and Clerk District Court	700 00
P. E. Mackenzie:	do	Clerk of Peace and District Attorney	250 00
W. H. McKay:	do	Constable	900 00
A. Guerard:	do	do	200 00
M. Emmons:	do	do	600 00
Christian I. McKay:	do	Matron, Rat Portage	200 00
J. A. Martin:	do	Turnkey, do	744 00
S. S. Scovil, M.D.:	do	Gaol Surgeon, Rat Portage	200 00
Jno. Perry:	do	Lock-up Keeper, Fort Francis	450 00
Richard Salter:	do	do Emo	240 00
Robt. McCullough:	do	do Atikokan	150 00
Wm. Cook:	do	do Rainy River	240 00
do	Arrears for 1903	do do	60 00
Jas. Robinson, Local Treasurer: To pay Administration of Justice accounts: December quarter, 1,334.10; March quarter, 1,170.24: June quarter, 1,130.50 ..... September quarter, 525.08; December quarter, 1,250.00			5,409 92
C. J. Hollands: P. M. Local Treasurer, expenditure: December, 118.55; January, 25.00; February, 103.70 March, 52.60; June quarter, 135.90			435 75
W. Mackenzie & Co.: Matting, etc., 7.50; Rice Lewis & Son: Dominion ensign, 6.00; handcuffs, 5.70			19 20
J. Rideout & Co.: Repairing furniture, etc., 39.20; Wells Hardware Co.: Stoves, pipes, etc., 83.60			122 80
Gowans, Kent & Co.: Lamps, 11.50; A. F. Fife & Co.: Plumbing and supplies, 24.45			35 95
J. C. Baxter: Kalsomining, 7.00; S. C. McGimsie: Book shelves, lumber, etc., 30.73			37 73
L. K. Cameron: Stationery, 42.50; Blank books, 9.50; Hart & Riddell: Division Court books, 6.95			58 95
J. E. Henderson: Trav. expenses as Reporter at Assizes, 35.24; Can. Express Co.: Charges, 7.36			42 60

DISTRICT OF NIPISSING ($21.241.54).

J. Loughrin:	Twelve months' salary as	Stipendiary Magistrate	1,600 00
James Kirkwood:	do	do do	750 00
H. C. Varin:	do	Sheriff and Treasurer	950 00
A. G. Browning:	do	Clerk of Peace and District Attorney	250 00
F. Gagne:	do	Constable	300 00
T. Keaney:	do	Gaoler, Sudbury	400 00
Bridget Keaney:	do	Matron, do	100 00
Xavier Ranger: Six	do	Turnkey, do	200 00
R. H. Arthur, M.D.: Twelve	do	Gaol Surgeon, Sudbury	150 00
S. A. Huntington:	do	Gaoler, North Bay	550 00
Julia E. Huntington:	do	Matron, do	120 00
E. F. Huntington:	do	Turnkey, do	400 00
A. McMurchy, M.D.:	do	Gaol Surgeon, North Bay	150 00
Jno. McMeekin:	do	Gaoler, Mattawa	300 00
M. E. McMeekin:	do	Matron, do	100 00
D. F. Smith, M.D.:	do	Gaol Surgeon, Mattawa	100 00
Stephen Dunn:	do	Gaoler, Bonfield	75 00
do	Arrears for 1903	do do	18 75
Charles Rochon:	Twelve months' salary as	do Sturgeon Falls	100 00
S. C. McElwain: Services Constable at Wahnapitae, 1 month, 41.66; Allowance for board, 20.00			61 66
H. C. Varin, Local Treasurer: To pay Administration of Justice accounts: December quarter, 2,452.22; March quarter, 3,259.86; June quarter, 3,455.09 ..... September quarter, 2,415.85; December quarter, 1,650.00			13,233 02
D. M. Brodie: P. M. trav. expenses, 144.98; J. Burke: Repairing electric lighting, 28.11			173 09
Jno. Kay, Son & Co.: Carpet, rugs, etc., 92.16; T. Eaton Co.: Canadian ensign, 7.50			99.66

ADMINISTRATION OF JUSTICE.—*Continued.*

DISTRICT OF NIPISSING.—*Continued.*

R. Horne: Furnishings, hardware, etc., 57.14; Warren Sporting Goods Co.: Handcuffs, etc., 20.00	77 14
J. Bourgeon: Carpentering, 10.63; McDonald & Hay: Pipe, hardware, etc., 51.00	61 63
J. W. McDonald: Range, stove pipe, etc., 75.78; Geo. Levesque: Stove, etc., 9.65	85 43
R. Wallace: Bricklaying, 15.00; O. J. Taillefer: Reglazing, etc., 61.90	76 90
Chas. Rogers & Sons Co.: Furniture, 67.50; L. A. Cooper: Lumber, 4.01	71 51
R. Home: Tile, wire netting, etc., 47.25; A. O. Laing: Decorating at Court House, North Bay, 200.00	247 25
Rice Lewis & Son: Handcuffs, 5.70; S. L. Brown: Repairing furniture, 4.85	10 55
Hart & Riddell: Division Court books, 10.95; L. K. Cameron: Stationery, 77.50; Blank books, 24.50	112 95
Dominion Express Co.: Charges, 1.40; Can. Express Co., 4.60	6 00
E. E. Horton: Trav. expenses as Reporter at Assizes, 11.25; J. W. Murray: Expenses re incendiary fires, 40.60	51 85
J. E. Rogers: Expenses *re* shooting case, 36.10; Bribery and robbery, 166.50; Murder case, 56.55	259 15

DISTRICT OF MUSKOKA ($7,538.89).

W. H. Spencer: Twelve months' salary as Police Magistrate (including trav. expenses)			500 00
H. B. Bridgland:	do	Sheriff	500 00
Thos. Johnson:	do	Clerk of Peace and District Attorney	250 00
Isaac Huber:	do	do District Court	450 00
Richard Mills:	do	Lock-up Keeper, Bracebridge	500 00
Rebecca Mills:	do	Matron, do	100 00
O. W. Colbeck, M.D.:	do	Gaol Surgeon, do	150 00
F. Francis:	do	Lock-up Keeper, Huntsville	200 00
J. E. Lount, Local Treasurer: To pay Administration of Justice accounts: December quarter, 1,132.63; March quarter, 581.78; June quarter, 1,467.53 September quarter, 883.15; December quarter, 501.77			4,566 86
Jas. Hall: Masonry, 4.80; Jas. Whitten: Furnace pipes, etc., 6.15; Warwick Bros. & Rutter: Printing, 5.95			16 90
Hart & Riddell: Division Court books, 10.75; L. K. Cameron: Stationery, 162.87; Blank book, 5.00			178 62
Can. Express Co.: Charges, 4.31; W. Greer: Expenses *re* Landrigan extradition, 109.20			113 51
E. E. Horton: Trav. expenses, as Reporter at Assizes			13 00

DISTRICT OF PARRY SOUND ($12,216.18).

J. Farrer: Twelve months' salary as		Police Magistrate	600 00
Jno. Duke: Six	do	do do	152 75
S. Armstrong:	do	Sheriff	500 00
W. L. Haight:	do	Clerk of Peace and District Attorney	250 00
E. Jordan:	do	do District Court	450 00
W. L. Haight: Allowance for rent			100 00
W. J. Bradley: Twelve months' salary as		Gaoler, Parry Sound	500 00
Ellen Bradley:	do	Matron, do	100 00
J. E. Appleby, M.D.:	do	Gaol Surgeon, Parry Sound	150 00
Wm. Wilson:	do	Gaoler, Burks Falls	250 00
Janet Wilson:	do	Matron, do	50 00
Richard Rattie: Six	do	Gaoler, French River	25 00
S. C. McElwain:	do	do do	37 50
Jno. Free: Twelve	do	Lock-up Keeper, Byng Inlet	300 00
S. Armstrong, Local Treasurer: To pay Administration of Justice accounts: December quarter, 1,643.46; March quarter, 1,077.22; June quarter, 2,312.55 September quarter, 1,018.24; December quarter, 1,300.00			7,351 47
S. C. McElwain: Services as constable at French River at 500.00 per annum			458 26
do		allowance for board, 220.00; trav. exps., 72.30; acc'tble., 25.00	317 30
D. McRae: Services as Constable at Depot Harbor, 350.00; Trav. expenses, 20.25			370 25

ADMINISTRATION OF JUSTICE.—*Continued.*

DISTRICT OF PARRY SOUND.—*Continued.*

Parry Sound Yachting Fleet: Hire of tug, 21.00; O. Ranger: Trav. expenses as Constable, French River, 15.95	36 95
T. W. George: Stove, refrigerator, etc., 53.00; Knight Bros.: Repairing door, 4.35	57 35
T. Eaton Co.: Office furniture, 25.85; A. N. Fenn: Office furniture, 1.40	27 25
C. Gillespie: Repairing office, 3.75; Geo. Moore & Bro., Wall paper, etc., 7.32	11 07
H. W. Wolton: Painting, 34.93; Can. Express Co., 4.12; E. Pregg: Teaming, etc., 11.10	50 20
Hart & Riddell: Division Court books, 2.73; L. K. Cameron: Stationery, 49.00; Blank book, 5.00	56 73
E. E. Horton: Trav. expenses as Reporter at Assizes	14 10

PROVISIONAL COUNTY OF HALIBURTON ($1,450.00).

W. Fielding: Twelve months' salary as Police Magistrate	800 00
R. C. Garratt: do Gaoler, Minden	150 00
E. C. Young: Salary as Registrar of Deeds	200 00
Judge Harding: Allowance for travelling expenses	300 00

DISTRICT OF MANITOULIN ($6.816.83).

E. H. Jackson: Twelve months' salary as Sheriff	500 00
A. G. Murray: do Treasurer	150 00
do do Clerk of Peace and District Attorney	250 00
W. R. Abrey: do Registrar of Deeds and Master of Titles	600 00
J. M. Fraser: Arrears, 1903, as Clerk of Division Court	450 00
do Arrears, 1903 do	50 00
W. W. McCoy: Twelve months' salary as Constable	350 00
R. R. McKessock: Services as Acting Crown Attorney & Clerk of Peace, 1901	100 00
A. G. Murray, Local Treasurer, to pay Administration of Justice Accounts:— December qr., 641.43; March qr., 491.83; June qr., 1,953.37 September qr., 496.02; December pr., 500.00	4,082 65
E. L. Brazenor: Balance Administration of Justice Accounts, 1901-2	114 18
W. R. Abrey: To pay for fuel, 34.40; J. G. Kingsboro: Hardware, 2.00	36 40
Smith & Henderson: Lumber, 14.23; W. A. Thorburn: Lumber, etc., 12.97	27 20
R. D. Boyter: Iron work, 1.25; R. Connell: Repairing pump, 25.00; J. Mastin: Rep'g. pump, 3.50	29 75
Dom. Express Co.: Charges, .55; L. K. Cameron: Staty., 6.50; blank book, 5.00	12 05
W. Greer: Expenses *re* supposed murder	64 60

PROVINCIAL POLICE, NIAGARA AND DETROIT RIVERS ($11,252.06).

E. Cruikshank: One months' salary as Police Magistrate	100 00
W. H. Mains: Twelve do Chief Constable	1,110 00
R. Griffin: do Constable	1,000 00
C. A. O'Malley: do do	823 50
P. Kelly: do do	650 00
Wm. McHattie: do do	650 00
M. McNamara: do do	612 50
Thos. A. Walker: do do	600 00
do Arrears, 1903	25 00
M. F. Troup: Four months' salary as do	200 00
do Arrears for 1903	50 00
C. J. Metcalf: Six months' salary as Constable	368 00
H. M. Sheppard: do do	300 00
A. Davey: Four do do Sarnia	750 00
Alex. Bartlett: Allowance as Police Magistrate, Detroit River	100 00
A. F Campean: Twelve months' salary as Chief Constable, Detroit River	1,000 00
Chas. Mahoney: do Constable, do	900 00
Andrew Murray: do do	200 00

ADMINISTRATION OF JUSTICE.—*Continued.*

PROVINCIAL POLICE, NIAGARA AND DETROIT RIVERS.—*Continued.*

Niagara River:—

Postmaster: Stamps & rent of box, 15.00; G.N.W. Tel. C.: Telegrams, 33.75	48 75
Bell Tel. Co.: Messages	78 18
Printing & Stationery: W. H. Buckley, 3.70; J. J. Sidey, 1.25	4 95
Anderson & Logan: Police clothing	470 50
Photos of prisoners: Buckley & Co., 7.50; E. Poole, 2.00; C. B. Willson, 5.00	14 50
Services as Interpreter: F. Lococo, 3.50; L. Melchar, 2.00; J. Mencho, 1.50 John Inaghavelle, 1.00; A. Lymburner, 2.00	10 00
Assistance: James Milloy, 3.50; T. Barnet, 3.50; B. A. Cook, 7.00 James Willox, 3.50; G. Chemister, 3.50	21 00
E. Cruikshank, P.M.: Travelling expenses & disbursements	13 77
Trav. Expenses: C. A. O'Malley, 13.51; P. Kelly, 31.70; W. McHattie, 35.09 T. A. Walker, 23.80; W. McNamara, 47.70; W. H. Mains, 52.23 R. Griffin, .75; C. J. Metcalf, 14.05; H. M. Sheppard, 2.50	221 33
C. Baldry: Meals for prisoners	153 25
T. A. Walker: Exps. removal, Niagara Falls to Bridgeburg	28 50
Sundry Newspapers: Advertising	2 50

Detroit River:—

Postmaster: Postage stamps & rent of box, 4.00; Bell Tel. Co.: Messages, 31.85	36 85
C.P.R. Telegraph: Telegrams, .52; G.N.W. Tel. Co.,: Telegrams, 16.71	17 23
Printing & Staty.: Sarnia Observer, 7.75; Record Ptg. Co., 16.00; G. E. Copeland, 2.95	26 70
Union Pub. Co.: Directory	2 50
Police Clothing: W. Oldham, 50.00; Broderick & Co., 25.00; J. J. Donoghue, 75.00; E. F. Beaume, 50.00	200 00
Trav. Expenses: A. Murray, 175.85; C. Mahoney, 121.70; A. F. Campeau, 27.80	325 35
Cab hire: C. McPhee, 54.50; T. G. Ferris, 32.00; Richmond Estate, 3.00 J. C. Kemp, 1.50	91 00
Medbury Estate: Rent of office	37 50
Sheriff, St. Clair Co., Mich.: Services of officer and exps, *re* stolen goods	9 70

CROWN COUNSEL PROSECUTIONS ($6,345.75).

Services, Winter Assizes:—

Carleton: W. F. Kerr, 84.00; Middlesex: James Magee, 57.00; S. D. & G. J. Dingwall, 26.00	167 00
Wentworth: Crerar & Crerar, 150.00; York: S. C. Biggs, 132.00	282 00

Services, Spring Assizes:—

Addington: C. H. Widdifield, 20.00; Brant: Jas. E. Day, 350.00; Bruce: N. Jeffrey, 20.00	390 00
Carleton: M. K. Cowan, 336.00; Dufferin. W. M. McClement, 20.00; Elgin: Alex. Stuart, 20.00	376 00
Essex: J. C. Hegler, 50.00; Frontenac: W. S. Herrington, 20.00; Grey: J. Birnie, 60.00	130 00
Halton: C. L. Dunbar, 20.00; Huron: C. Seager, 10.00; Haldimand: S. F. Washington, 50.00	80 00
Hastings: F. L. Webb, 20.00; Kent: F. F. Pardee, 20.00; Leeds and Grenville: J. Williams, 60.00	100 00
Lambton: A. O. Jeffrey, 20.00; Lincoln: W. H. Wardrope, 20.00; Middlesex: W. Proudfoot, 135.00	175 00
Norfolk: Jas. Harley, 20.00; Nipissing: D. A. Dunlop, 32.00; Ontario: E. S. C. Huycke, 20.00	72 00
Oxford: G. J. Smith, 46.00; Prescott & Russell: G. Henderson, 218.00; Peterboro: H. O'Leary, 54.00	318 00
Peel: W. H. McFadden, 32.00; D. O. Cameron, 20.00; Perth: J. Idington, 32.00; Prince Edward: G. E. Deroche, 20.00	104 00
Parry Sound: W. L. Haight, 52.00; Renfrew: J. A. Allen, 20.00; Stormont: D. & G. W. S. Herrington, 20.00	92 00
Simcoe: R. D. Gunn, 57.00; Victoria: D. O'Connell, 20.00; Waterloo: W. H. Wardrope, 20.00	97 00
Welland: R. McKay, 20.00; Wentworth: S. C. Biggs, 108.00; York: Hugh Guthrie, 182.00	310 00

ADMINISTRATION OF JUSTICE.—*Continued.*

CROWN COUNSEL PROSECUTIONS.—*Continued.*

Services, Summer Assizes:—
Muskoka: C. E. Hewson, 20.00; Thunder Bay, R. C. Clute, 362.00 ... 382 00
Services, Fall Assizes:—
Algoma: L. V. McBrady, 212.00; Bruce: E. B. Stone, 48.00; Brant: W. E. S. Knowles, 28.00 ... 288 00
Carleton: Jno. King, 103.00; Dufferin: J. Birnie, 20.00; Essex: S. C. Biggs, 308.00 ... 431 00
Frontenac: W. S. Herrington, 20.00; Grey: L. V. McBrady, 32.00; Halton: C. L. Dunbar, 20.00 ... 72 00
Haldimand: J. Harley, 43.00; Hastings, F. L. Webb, 20.00; Huron: Alex. Stuart, 20.00 ... 83 00
Kent: E. B. Stone, 26.00; Lennox & Add.: C. H. Widdifield, 20.00; Lambton: J. P. Bucke, 48.00 ... 94 00
Leeds & G.: J. Williams, 20.00; Lincoln: W. H. Wardrope, 20.00; Middlesex: E. C. S. Huycke, 88.00 ... 128 00
Muskoka: C. E. Hewson, 20.00; Northumberland & D.: S. C. Biggs, 36.00; Norfolk: N. Jeffrey, 20.00 ... 76 00
Nipissing: D. A. Dunlop, 113.00; A. G. Browning, 20.00; Ontario: E. C. S. Huycke, 20.00 ... 153 00
Oxford: W. H. Wardrope, 52.00; Peterboro: H. O'Leary, 35.00; Peel: Jas. E. Day, 40.00 ... 127 00
Perth: Hugh Guthrie, 306.75; Prince Edward, G. E. Deroche, 20.00; Prescott & Russell: G. Henderson, 20.00 ... 346 75
Parry Sound: W. L. Haight, 84.00; Rainy River: R. C. Clute, 136.00; Renfrew: J. C. Hegler, 156.00 ... 376 00
Stormont, D. & G.: W. S. Herrington, 52.00; Simcoe: R. D Gunn, 120.00; Thunder Bay: R. C. Clute, 388.00 ... 560 00
Welland: R. McKay, 20.00; Waterloo: W. M. McClement, 20.00; Wellington: D. O. Cameron, 20.00 ... 60 00
Wentworth: S. C. Biggs, 36.00; York: W. Proudfoot, 440.00 ... 476 00

GENERAL ADMINISTRATION OF JUSTICE IN COUNTIES ($172,097.76).

Expenditure as Treasurer:
Brant: A. Foster: September quarter, 933.74; December quarter, 962.12; March quarter, 945.46; June quarter, 794.88 ... 3,636 20
Bruce: N. Robertson: September quarter, 556.81; December quarter, 626.52; March quarter, 214.78; June quarter, 296.58; September quarter, 447.23 ... 2,141 92
Carleton: H. Reilly: December quarter, 1,521.94; March quarter, 1,449.63; June quarter, 1,727.92; ... 4,699 49
Dufferin: C. R. Wheelock: December quarter, 361.65; March quarter, 132.50; June quarter, 440.10; September quarter, 122.57 ... 1,056 82
Elgin: J. McCausland: September quarter, 948.31; December quarter, 1,078.07; March quarter, 736.95; June quarter, 713.47 ... 3,486 80
Essex: G. A. Wintemute: September quarter, 1,559.02; December quarter, 1,451.20; March quarter, 1,016.91; June quarter, 1,079.94 ... 5,107.15
Frontenac: D. Purdy: December quarter, 513.27; March quarter, 583.76; June quarter, 842.75; September quarter, 524.21 ... 2,463 99
Grey: S. J. Parker: December quarter, 1,481.76; March quarter, 515.26; June quarter, 1,308.59; September quarter, 858.15 ... 4,163 76
Haldimand: A. A. Davis: December quarter, 346.24; March quarter, 481.31; June quarter, 836.37 ... 1,663 92
Halton: J. Menzies: December quarter, 521.25; March quarter, 258.38; June quarter, 171.50; G. Andrew: September quarter, 138.95 ... 1,090 03
Hastings: T. Wills: September quarter, 1902, 890.05; December quarter, 1,493.48; March quarter, 1,015.64; June quarter, 1903, 1,425.27; September quarter, 921.59 ... 5,745 03
Huron: W. Holmes: December quarter, 423.43; March quarter, 702.68; June quarter, 995.65; September quarter, 463.20 ... 2,584 96
Kent: J. C Fleming: September quarter, 980.81; December quarter, 1,543.44; March quarter, 912.10; June quarter, 1,341.66 ... 4,778 01

ADMINISTRATION OF JUSTICE.—*Continued.*

GENERAL ADMINISTRATION OF JUSTICE IN COUNTIES.—*Continued.*

Lambton: H. Ingram: September quarter, 541.07; December quarter, 1,143.08; March quarter, 987.27; June quarter, 911.85; September quarter, 877.59 ..... 4,460 86

Lanark: J. Code: December quarter, 412.01; March quarter, 274.79; June quarter, 523.63; September quarter, 556.27 ..... 1,766 70

Leeds & Grenville: L. Patton: September quarter, 738.36; December quarter, 1,120.14; March quarter, 984.49; June quarter, 480.06 ..... 3,323 05

Lennox & Addington: I. Parks: December quarter, 942.14; March quarter, 335.92; June quarter, 539.72; September quarter, 472.15 ..... 2,289 96

Lincoln: Ira T. Culp: September quarter, 548.41; December quarter, 813.81; March quarter, 1,104.72; June quarter, 1,029.93; September quarter, 661.44 ..... 4,158 31

Middlesex: A. M. McEvoy: September quarter, 1,081.85; December quarter, 2,241.61; March quarter, 3,669.00; June quarter, 1,708.13 ..... 8,700 59

Norfolk: R. Chrysler: December quarter, 340.36; March quarter, 165.71; June quarter, 307.79; September quarter, 160.77 ..... 974 63

Northumberland & Durham: W. F. McNachtan: September quarter, 778.92; December quarter, 943.55; March quarter, 661.51; June quarter, 982.84; September quarter, 690.52 ..... 4,057 34

Ontario: D. McKay: June quarter, 265.28; September quarter, 475.27; December quarter, 677.03 ..... 1,417 58

Oxford: H. P. Brown: December quarter, 663.03; March quarter, 569.09; June quarter, 462.34; September quarter, 349.35 ..... 2,043 81

Peel: R. Crawford: December quarter, 708.68; March quarter, 363.00; June quarter, 790.63; September quarter, 351.50 ..... 2,213 81

Perth: G. Hamilton: September quarter, 505.66; December quarter, 652.55; March quarter, 585.03; June quarter, 399.44; September quarter, 700.35 ..... 2,843 03

Peterboro: G. Stewart: December quarter, 1900, 847.18; March quarter, 946.99; June quarter, 758.12; September quarter, 1901, 470.52; December quarter, 633.52; March quarter, 524.13; June quarter, 1902, 487.27; September quarter, 410.74; December quarter, 617.34; March quarter, 1903, 354.70; June quarter, 812.92; September quarter, 597.66; E. M. Elliott: December quarter, 1903, 1,062.15; March quarter, 654.13; June quarter, 691.52 ..... 9,887 89

Prescott & Russell: J. Belanger: September quarter, 367.12; December quarter, 541.90; 909 02

Prince Edward: D. L. Bongard: September quarter, 367.12; December quarter, 653.16; March quarter, 153.00; June quarter, 266.96; September quarter, 225.04 1,671 76

Renfrew: A. Morris: September quarter, 440.63; December quarter, 507.63; March quarter, 423.87; June quarter, 598.28 ..... 1,970 41

S. D. & Glengarry: Geo. Steacey: September quarter, 977.80; December quarter, 1,381.01; March quarter, 593.90; June quarter, 1,076.02 ..... 4,028 73

Victoria: J. R. McNeillie: September quarter, 369.58; December quarter, 993.37; March quarter, 362.69; June quarter, 461.17 ..... 2,186 81

Waterloo: H. J. Bowman: September quarter, 467.18; December quarter, 788.58; March quarter, 553.64; June quarter, 408.67 ..... 2,218 07

Welland: C. B. Bennett: September quarter, 382.94; December quarter, 1,042.22; March quarter, 440.50; June quarter, 719.77; September quarter, 839.83 ..... 3,425 26

Wellington: W. Reynolds: September quarter, 795.13; December quarter, 1,411.46; March quarter, 414.79; June quarter, 1,098.20; September quarter, 581.60 ..... 4,301 18

Wentworth: A. Cochrane: September quarter, 1,536.42; December quarter, 1,530.74; March quarter, 1,804.25; June quarter, 1,861.64; September quarter, 1,451.00.. 8,184 05

Toronto: R. T. Coady: June quarter, 4,329.16; September quarter, 3,994.84; December quarter, 9,879.95; March quarter, 5,013.91; June quarter, 7,967.49 ..... 31,185 35

Hamilton: A. Stuart: December quarter, 433.88; March quarter, 476.40; June quarter, 375.02; September quarter, 329.46 ..... 1,614 76

York: J. K. Macdonald: June quarter, 1902, 698.10; September quarter, 492.11; December quarter, 580.77; March and June quarter, 1903, 459.72 ..... 2,230 70

Expenses and disbursements, Provincial Detectives:

Bruce: J. E. Rogers 36 75

Carleton: J. W. Murray 12 12

Dundas: W. Greer 40 55

Elgin: J. W. Murray 369 66

Essex: J. W. Murray 2 00

ADMINISTRATION OF JUSTICE.—*Continued.*

GENERAL ADMINISTRATION OF JUSTICE IN COUNTIES.—*Continued.*

Frontenac: J. W. Murray	12 12
Grey: J. E. Rogers, 62.20; W. Greer, 190.30	252 50
Halton: J. W. Murray, 45.74; W. Greer, 16.75	62 49
Hastings: J. W. Murray, 54.90; J. E. Rogers, 19.40; W. Greer, 55.30	129 60
Huron: J. E. Rogers	14 40
Haldimand: W. Greer	84 65
Kent: J. W. Murray, 55.15; J. E. Rogers, 47.45	102 60
Lanark: J. W. Murray	12 12
Lennox and Addington: J. W. Murray	12 12
Lambton: W. Greer	37 80
Middlesex: J. W. Murray, 21.20; J. E. Rogers, 34.68; W. Greer, 26.20	388 08
Northumberland: J. E. Rogers	41 50
Norfolk: J. E. Rogers, 25.30; W. Greer, 23.55	48 85
Ontario: W. Greer	13 55
Peterboro: J. W. Murray; 40.00; J. E. Rogers, 40.80; W. Greer, 25.35	106 15
Prescott & Russell: J. W. Murray	60 65
Peel: W. Greer	20 30
Renfrew: J. W. Murray, 139.72; W. Greer, 40.00	179 72
Stormont, D. and Glengarry: J. W. Murray	56 75
Simcoe: J. E. Rogers, 37.40; W. Greer, 188.90	226 30
Victoria: J. E. Rogers	20 40
Wellington: J. W. Murray, 24.40; J. E. Rogers, 49.80	74 20
Waterloo: J. E. Rogers	89 06
Welland: J. E. Rogers, 16.79; W. Greer, 65.00	81 79
Wentworth: W. Greer	13 15
York: J. W. Murray, 12.00; J. E. Rogers, 58.15; W. Greer, 13.15	83 30
J. E. Rogers: To pay subscription to "Detective," 1.00; Forms, 2.50; Phones, .90	4 40
Hastings: Noble's Dominion Detective Agency, Services and expenses *re* investigation fraudulent ballot boxes	142 71
Simcoe: Noble's Dominion Detective Agency, Services and expenses *re* Whalen murder	455 53
Alfred Weekes: Stenographer *re* Assizes	10 00
Kent: Secretary of Treasury, U. S., costs *re* extradition of Reilly and Aker	188 29
Halton: W. H. Ellis, M.B., Analysis and report *re* viscera of M. Lehman	50 00
W. Love: Services *re* extradition Basilio Piazzi	50 00
Essex: Secretary of State, Ottawa, Expenses incurred by U. S. Govt. *re* extradition E. Slaughter	73 16
Peterboro: C. H. Black, Services and expenses Assizes	9 35
John English: Five and one-half months' salary as Provincial Bailiff	550 00
J. J. Ryan: Six and one-half do	650 00
John English: Travelling expenses and disbursements *re* transfer of prisoners	1,910 00
J. J. Ryan: do do	1,950 00
P. Simser: do do	131 30
Trunk & Leather Goods Co.: Bag for Bailiff Ryan, 8.00; Wood Vallance Co.: Firearms and ammunition, 62.41	70 41
H. S. Howland, Sons & Co.: Handcuffs	31 76
Serjeant F. W. Lyons: Reward *re* capture of prisoner	10 00
Joseph Rogers: Revolver and cartridges for Bailiff Ryan	9 00
Clothing for discharged prisoners and Bailiffs: C. P. Industries, 2,633.85; Robert Simpson Co., 707.50; J. Macdonald & Co., 272.82; Mercer Reformatory, 455.53; S. F. McKinnon & Co., 55.55: Reformatory for Boys, 121.00; J. Jamieson, 1,019.15; C. G. Gendron, 192.00; John Shea, 28.33; M. Langmuir Co., 17.24; T. Eaton Co., 2.85; D. A. Latrey & Co., 35.50; John Guinane, 12.00; F. Hall & Son, 1.00; Rice Lewis & Son, 13.50; N. J. Bourdon, 3.00; Wheaton & Co., 1.00; John Smiley, 30.00; J. W. F. Fairweather, 3.00	5,604 82
To pay carriage of discharged prisoners: W. P. Band, 578.05; Alex. Jaffray, 2,000.00; R. W. Laird, 200.00	2,778 05
W.C. Irving: Services as Auditor, Renfrew, 50.00; Postage, 2.00	52 00

ADMINISTRATION OF JUSTICE.—*Continued.*

INSPECTION OF OFFICES UNDER JUDICATURE ACT ($3,869.33).

Jas. W. Mallon: Twelve months' salary as Inspector	2,000 00
W. F. Grant: do Clerk and Stenographer	1,200 00
Warwick Bros. & Rutter: Printing and binding, 24.40; Riordon Paper Mills: Paper, 5.28	29 68
Hart & Riddell: Embossing, 1.25; Mrs. Hubertus: Postage stamps, 15.00	16 25
L. K. Cameron: Stationery, 50.89; Paper, 4.98; Carswell Co.: Law books, 10.25	66 12
Can. Legal Pub. Co.: Legal chart and law list, 4.50; Circuit Guide Pub. Co.: Copies, 22.50	27 00
Might Directories: Directory, 6.00; C. Gripton: Stamp and repairs, 7.00; Seal and press, 6.00	19 00
Wright Cartage Co.: Cartage, 1.75; Can. Express Co.: Charges, 2.50; Dom. Express Co., 2.05	6 30
W. F. Grant: Petty office expenses, 4.98; J. W. Mallon: Allowance for trav. expenses, 500.00	504 98

INSPECTORS OF CRIMINAL INVESTIGATION ($5,405.00).

J. W. Murray: Twelve months' salary as Chief Detective	1,800 00
J. W. Murray: Advance on account salary *re* leave of absence	750 00
J E. Rogers: Twelve months' salary as Second Detective	1,500 00
Wm. Greer: do Third do	1,250 00
Employers' Liability Co.: Premium on policy, Chief Detective Murray	35 00
London Guarantee & Accident Co.: Premium on policy, Detectives Rogers & Greer	70 00

SPECIAL SERVICES ($550.00).

Barwick, Aylesworth, Wright & Moss: Law costs Klock v. King *re* berth A west of Lake Temiskaming	550 00

SHERIFFS' FEES, ETC., ($10,939.92).

Attendance at Courts as Sheriff:	
Brant: W. Watt, 126.00; Bruce: C. V. Parke. 97.50; Carleton: J. Sweetland, 417.75	641 25
Elgin: D. Brown, 190.25; Essex: J. C. Iler, 746.50; Frontenac: T. Dawson, 60.00	996 75
Grey: C. H. Moore, 89.50; Haldimand: R. Davis, 10.00; Hastings: G. F. Hope, 141.50	241 00
Huron: R. G. Reynolds, 126.50; Kent: J. R. Gemmill, 76.00; Lambton: J. Flintoft, 52.25	254 75
Leeds & Grenville: G. A. Dana, 95.00; Lanark: W. McGarry, 10.00; Lincoln: T. C. Dawson, 175.75	280 75
Middlesex: D. M. Cameron, 378.00; Norfolk: J. Jackson, 26.50; North'd and Durham: I. O. Proctor, 51.25	455 75
Ontario: J. F. Paxton, 50.25; Oxford: Jas. Brady, 72.00; Peel: R. Broddy, 53.50	175 50
Peterboro: J. A. Hall, 37.25; Prince Edward: J. Gillespie, 20.00; Renfrew: W. Moffat, 9.25	66 50
Simcoe: C. Drury, 133.25; Stormont: D. & G.: A. McNab, 17.00; W. R. Mack, 30.00	180 25
Victoria: J. McLennan, 110.00; Waterloo: J. Motz, 34.25; Welland: Jas. Smith, 55.75	200 00
Wentworth: J. T. Middleton, 182.75; Wellington: A. S. Allan, 131.00; York: J. H. Widdifield, 1,803.25	2,117 00
Toronto: Fred Mowat	1,120 00
Allowance to Sheriffs to make up income 2 Edward Cap. 12, Sec. 5:	
Dufferin: T. Bowles, 202.94; Elgin: D. Brown, 153.51; Halton: M. Clements, 124.47	480 92
Oxford: Jas. Brady, 165.72; Ontario: J. F. Paxton, 27.18; Prince Edward: Jas. Gillespie, 1902 and 1903, 1,043.77	1,236 67
Peel: R. Broddy, 59.67; Peterboro: J. A. Hall, 91.54	151 21
Attendance at Courts as D. C. C. and Pleas:	
Algoma: T. H. Murray, 60.08; Brant: J. T. Hewitt, 60.20; Bruce: W. Goetz, 44.20	164 48
Carleton: J. P. Featherston, 156.60; W. L. Scott, 16.00; Dufferin: J. McLaren, 24.10	196 70
Elgin: D. McLaws, 48.04; Essex: F. Cleary, 100.08; Grey: W. A. Bishop, 84.00	232 12
Frontenac: A. McGill, 8.04; T. M. Asselstine, 16.00; Halton: W. A. Lawrence, 20.10	44 14
Haldimand: S. C. Macdonald, 12.16; Hastings: A. G. Northrup, 60.50; Huron: D. McDonald, 72.70	145 36

ADMINISTRATION OF JUSTICE.—*Continued.*

SHERIFF'S FEES, ETC.—*Continued*

Attendance at Courts as D. C. C. and Pleas—*Continued.*

Kent: J. Holmes, 56.25; Lambton: A. Saunders, 48.50; Lanark: W. P. McEwen, 16.00	120 75
Leeds & Grenville: O. K. Fraser, 44.28; Lincoln: J. Clench, 68.14; Lennox and Addington: W. P. Leroche, 16.20	128 62
Middlesex: J. Macbeth, 108.35; R. K. Cowan: acting, 16.00; Muskoka: I. Huber, 36.00	160 35
Norfolk: C. C. Rapelje, 20.25; Northumberland & Durham: J. T. Field, 24.08; Nipissing: T. J. Bourke, 20.20	64 53
Oxford: J. Canfield, 48.31; W. T. McMullen, 20.00; Ontario: L. T. Barclay, 16.05	84 36
Parry Sound: D. Jordan, 40.22; Peel, J. B. Dixon, 28.00; Perth: W. C. Moscrip, 64.75	132 97
Peterboro: J. Moloney, 44.12; Prince Edward: N. Gilbert, 12.00; Prescott & Russell: J. Belanger, 40.13	96 25
Rainy River: F. J. Apjohn, 24.00; Renfrew: M. M. McKay, 24.00; Simcoe: J. Stevenson, 36.51	84 51
Simcoe: J. R. Cotter, 20.00; Stormont, D. & G.: J. A. McDougald, 56.04; Thunder Bay: J. Meek, 40.19	116 23
Victoria: D. R. Anderson, 48.00; Welland: I. P. Willson, 36.36; Wellington: A. M. McKinnon, 36.12	120 48
Wentworth: T. H. A. Begue, 76.40; Waterloo: J. McDougall, 28.02; C. Huber: Crier, 15.75; York: J. Henderson, crier, 379.35	499 52

SEALS AND OTHER CONTINGENCIES ($151.12).

C. Gripton: Seal 7 Division Court, Algoma, 6.75; 6 Division Court, Essex, 6.50; 5 Division Court, Lanark, 6.60; 3 Division Court, Perth, 6.40	26 25
C. Gripton: Repairing seal 1 Division Court, York, 4.00; Can. Express Co.: Charges, .30; Dom. Express Co., .57	4 87
H Macbeth: Secretary Law Society, contribution towards telegraph service, Osgoode Hall	120 00

CONSTITUTIONAL QUESTIONS ($1,200.91).

Æ. Irving: Legal services *re* Chaudiere & Ottawa R	600 00
do Boundary between Ontario and Quebec	400 00
do Fishing Rights, Nipigon R	50 00
do New Indian Treaty	100 00
do Indian Islands, Georgian Bay	50 00
Ewart, Wyld & Osler: Prof. Services at Ottawa *re* Toronto & Hamilton Ry	12 07
do do H. B. & G. Ry	5 52
N. R. Butcher: Copying *re* Chaudiere Islands, 2.50; J. R. Forsyth: To pay postage, etc., .82	3 32

GROUPED COUNTIES ($827.10).

His Honor Judge Chapple: Services and expenses	43 10
do Madden: do	414 60
do Price: do	369 40

SHORTHAND REPORTERS ($11,300.00).

A. H. Crawford: Twelve months' salary as Reporter	1,600 00
A. J. Henderson: do	1,500 00
R. Tyson: do	1,500 00
E. E. Horton: do	1,500 00
F. V. Dickson: do	1,300 00
N. R. Butcher: do	1,300 00
H. J. Emerson: do	1,300 00
J. Agnew: do	1,300 00

ADMINISTRATION OF JUSTICE.—*Continued.*

COUNTY LAW LIBRARIES ($1,200).

Treasurer Ontario to pay Library: Brant, 49.32; Bruce, 45.66; Carleton, 65.43; Elgin, 47.66; Essex, 47.66; Frontenac, 48.99; Grey, 46.32; Hamilton, 65.43; Hastings, 46.66; Huron, 50.32; Kent, 47.99; Leeds, 51.99; Lindsay, 48.66; Middlesex, 60.99; Norfolk, 44.66; Ontario, 45.66; Oxford, 47.99; Perth, 47.66; Peterboro, 48.66; Simcoe, 54.66; Stormont, 47.66; Welland, 44.32; Wellington, 47.99; Waterloo, 47.66	

MAINTENANCE, OSGOODE HALL ($9,864.65).

T. Cunerty: Twelve months' salary as Engineer	1,000 00
C. Sendall: do Fireman	360 00
K. McKenna: do Housekeeper	300 00
Pay lists: Wages, carpenters, bricklayers, plumbers, laborers, etc	1,604 36
W. McGill & Co: 109-400 tons coal, grate, at 6.00, 655.21; 3 tons stove at 6.20, 18.60; 64-1525 tons egg at 6.20, 401.54; Baging coal, .75; 3 cords pine at 5.25, 15.75; 10 cords wood at 6.75, 67.50; Cutting, 6.50; 2 cords wood at 6.75, 14.01; Cutting, .50; half cord pine at 6.75, 2.88	1,183 24
James Milnes & Co.: 11-900 tons soft coal at 6.15, 70.43; 64-1150 tons soft coal at 5.40, 348.44	418 87
Consumers' Gas Co.: Gas, 753.36; Waterworks Dept.: Water, 251.51	1,004 87
Knickerbocker Ice Co.: Ice, 115,20; Office Specialty Mfg. Co.: Vault fittings, 682.00..	797 20
John Inglis Co.: Repairing boiler	445 32
C. Rogers & Sons Co.: Contract pigeon hole cases, 470.00; Book case, 95.00	565 00
C. M. Henderson & Co.: Book case, 11.50; The Rogers Furniture Co.: Furniture, etc., 600.08	611 58
J. B. Smith & Sons: Lumber, 120.40; F. Hillock: Lumber, 4.60	125 00
Harrison & Robertson: Steamfitting, etc., 58.15; J. Ritchie, Plumbing and Heating, Co.: Plumbing, 5.33	63 48
Plumbing supplies, castings, etc.: James Robertson Co., 86.87; Gurney Foundry Co., 3.00; Dom. Radiator Co., 18.12	107 99
J. J. O'Hearn: Painting, glazing, etc., 491.26; J. W. Kennedy: Ironwork, 6.75	498 07
Power Bros.: Ironwork, 57.82; Toronto Aur Light Co.: Fittings, 30.45	88 27
Shipway Ironworks: Locksmithing and bell hanging, 50.05; W. J. Hynes: Plastering, 16.47	66 52
Hardware: Aikenhead Hardware Co., 60.05; Rice Lewis & Son, 16.00	76 05
W Maguire: Cement brick, 79.63; Am. Tent and Awning Co.: Awnings, 26.00	105 63
Luxfer Prism Co.: Prisms, 43.50; J. & J. L. O'Malley & Co.: Upholstering and repairs, cleaning carpets, etc., 234.74	278 24
J. Kay Son & Co.: Carpets, etc	119 84
Furnishings: McCall Bros. & Co., 4.49; J. Catto & Son, 15.20; Hargreaves' Bros., 4.00; McDonald & Willson, 11.15; Wheeler & Bain, 9.72; G. H. Cooper, 7.70; Imperial Varnish & Color Co., 27.90; J. T. Wilson, 68.15; W. H. Sparrow, 6.50; W. A. Murray & Co., 12.70; W. Beers, 8.32	175 83
Cleaning, etc.: May Robinson, 180.00; C. Sutherland, 186.50	366 50
J. Moroney: Cleaning ash pit, 16.80; Forbes Roofing Co.: Cleaning snow from roof, 275.80	292 60
Forbes Roofing Co.: Repairing roof, 45.20; G. Duthie & Sons: Repairing roof, 3.65..	48 85
T. N. Hopkins: Cleaning chimneys	9 80
Care of clocks and repairs: P. W. Ellis & Co., 24.00; W. Alexander, 12.50	36 50
V. P. Fayle: Expenses weighing coal	5 10
	10,754 65
Less Refund by Law Society for heating and lighting	890 00
	9,864 65
Total Administration of Justice	482,460 67

EDUCATION.

PUBLIC SCHOOLS ($215,919.69).

Treasurer County of:

Brant, 1,571.00; Bruce, 4,313.00; Carleton, 2,927.00; Dufferin, 1,853.00; Elgin, 2,895.00; Essex, 2,866.00; Frontenac, 2,339.00; Grey, 5,719.00; Haldimand, 1,780.00; Haliburton, 728.00; Halton, 1,406.00; Hastings, 3,949.00; Huron, 4,850.00; Kent, 3,788.00; Lambton, 3,957.00; Lanark, 2,231.00; Leeds and Grenville, 3,902.00; Lennox & Addington, 2,088.00; Lincoln, 1,437.00; Middlesex, 4,904.00; Norfolk, 2,444.00; Northumberland & Durham, 4,693.00; Ontario, 3,256.00; Oxford, 3,377.00; Peel, 1,855.00; Perth, 3,290.00; Peterboro, 2,225.00; Prescott & Russell, 2,040.00; Prince Edward, 1,517.00; Renfrew, 3,831.00; Simcoe, 5,866.00; Stormont, Dundas & Glengarry, 5,452.00; Victoria, 2,375.00; Waterloo, 2,415.00; Welland, 1,881.00; Wellington, 3,573.00; Wentworth, 2,696.00; York, 4,927.00 ..... 116,966 90

Treasurer City of:

Belleville, 921.00; Brantford, 2,005.00; Chatham, 920.00; Guelph, 1,118.00; Hamilton, 5,523.00; Kingston, 1,754.00; London, 4,211.00; Niagara Falls, 784.00; Ottawa, 3,497.00; St. Catharines, 1,023.00; St. Thomas, 1,267.00; Stratford, 1,143.00; Toronto, 22,803.00; Woodstock, 1,061.00; Windsor, 1,135.00 ..... 49,165 00

Treasurer Town of:

Alexandria, 65.00; Alliston, 152.00; Almonte, 270.00; Amherstburg, 130.00; Arnprior, 275.00; Aurora, 201.00; Aylmer, 265.00; Barrie, 626.00; Berlin, 978.00; Blenheim, 187.00; Bothwell, 104.00; Bowmanville, 339.00; Bracebridge, 323.00; Brampton, 345.00; Brockville, 836.00; Bruce Mines, 87.00; Carleton Place, 503.00; Cache Bay, 69.00; Clinton, 277.00; Cobourg, 362.00; Collingwood, 850.00; Cornwall, 321.00; Copper Cliff, 261.00; Dresden, 193.00; Dundas, 324.00; Dunnville, 269.00; Durham, 208.00; Deseronto, 429.00; East Toronto, 211.00; Essex, 177.00; Forest, 191.00; Fort William, 523.00; Galt, 923.00; Gananoque, 447.00; Goderich, 429.00; Gore Bay, 87.00; Gravenhurst, 267.00; Hespeler, 295.00; Harriston, 219.00; Hawkesbury, 32.00; Huntsville, 267.00; Ingersoll, 555.00; Kincardine, 291.00; Kingsville, 202.00; Leamington, 318.00; Lindsay, 650.00; Listowel, 327.00; Little Current, 121.00; Mattawa, 34.00; Massey, 30.50; Meaford, 243.00; Midland, 459.00; Mitchell, 226.00; Milton, 140.00; Mount Forest, 251.00; Napanee, 348.00; New Liskeard, 121.00; Newmarket, 259.00; Niagara, 174.00; North Bay, 282.00; North Toronto, 244.00; Oakville, 160.00; Orangeville, 312.00; Orillia, 485.00; Oshawa, 466.00; Owen Sound, 1,072.00; Palmerston, 171.00; Parkhill, 138.00; Paris, 368.00; Parry Sound, 340.00; Preston, 238.00; Pembroke, 325.00; Penetanguishene, 338.00; Perth, 309.00; Peterboro, 1,138.00; Petrolea, 475.00; Picton, 380.00; Port Arthur, 401.00; Port Hope, 498.00; Prescott, 249.00; Rainy River, 136.00; Rat Portage, 454.00; Renfrew, 236.00; Ridgetown, 274.00; Sandwich, 88.00; Sarnia, 855.00; Sault Ste. Marie, 829.00; Simcoe, 364.00; Smith's Falls, 632.00; Steelton, 151.50; Stayner, 139.00; St. Marys, 368.00; Strathroy, 373.00; Sudbury, 78.00; Seaforth, 210.00; Sturgeon Falls, 105.00; Thessalon, 132.00; Thornbury, 95.00; Thorold, 166.00; Tilsonburg, 272.00; Toronto Junction, 842.00; Trenton, 371.00; Uxbridge, 192.00; Vankleek Hill, 127.00; Walkerton, 252.00; Walkerville, 193.00; Wallaceburg, 309.00; Waterloo, 363.00; Welland, 202.00; Whitby, 243.00; Wiarton, 297.00; Wingham, 275.00..... 36,049 00

Treasurer Village of:

Acton, 170.00; Ailsa Craig, 85.00; Alvinston, 97.00; Arkona, 54.00; Arthur, 77.00; Athens, 107.00; Ayr, 102.00; Bath, 46.00; Bayfield, 65.00; Beamsville, 94.00; Beaverton, 90.00; Beeton, 81.00; Belle River, 7.00; Blyth, 105.00; Bobcaygeon, 108.00; Bolton, 78.00; Bradford, 116.00; Bridgeburg, 156.00; Brighton, 158.00; Brussels, 148.00; Burks Falls, 95.00; Burlington, 146.00; Caledonia, 97.00; Campbellford, 294.00; Cannington, 152.00; Cardinal, 154.00; Casselman, 27.00; Cayuga, 113.00; Chesley, 212.00; Chesterville, 108.00; Chippewa, 64.00; Clifford, 72.00; Colborne, 120.00; Creemore, 71.00; Cobden, 86.00; Delhi, 96,00;

EDUCATION.—*Continued.*

PUBLIC SCHOOLS.—*Continued.*

Treasurer, Village of—*Continued.*

Drayton, 96.00; Dundalk, 97.00; Dutton, 105.00; Eganville, 71.00; Elmira, 143.00; Elora, 121.00; Embro, 70.00; Erin, 63.00; Exeter, 230.00; Fenelon Falls, 141.00; Fergus, 169.00; Fort Erie, 105.00; Garden Island, 29.00; Georgetown, 161.00; Glencoe, 118.00; Grand Valley, 98.00; Grimsby, 111.00; Hagersville, 115.00; Hastings, 55.00; Hanover, 178.00; Havelock, 120.00; Hensall, 88.00; Hintonburg, 172.00; Holland Landing, 50.00; Iroquois, 119.00; Kemptville, 160.00; Lakefield, 142.00; Lanark, 105.00; Lancaster, 65.00; L'Original, 110.00; Lucan, 98.00; Lucknow, 121.00; Madoc, 135.00; Markdale, 115.00; Markham, 119.00; Marmora, 93.00; Maxville, 91.00; Merrickville, 116.00; Merritton, 157.00; Millbrook, 106.00; Milverton, 85.00; Morrisburg, 185.00; Newboro, 54.00; Newburgh, 68.00; Newbury, 43.00; Newcastle, 69.00; New Hamburg, 153.00; Norwich, 151.00; Norwood, 105.00; Oil Springs, 116.00; Omemee, 75.00; Ottawa E., 85.00; Paisley, 121.00; Point Edward, 128.00; Portsmouth, 50.00; Port Carling, 33.00; Port Colborne, 151.00; Port Dalhousie, 84.00; Port Dover, 139.00; Port Elgin, 162.00; Port Perry, 171.00; Port Rowan, 88.00; Port Stanley, 66.00; Richmond, 54.00; Richmond Hill, 82.00; Rockland, 18.00; Shelbourne, 143.00; Southampton, 204.00; Springfield, 59.00; Stirling, 99.00; Stouffville, 159.00; Streetsville, 60.00; Sundridge, 48.00; Sutton, 77.00; Tara, 79.00; Teeswater, 116.00; Thamesville, 96.00; Thedford, 73.00; Tilbury, 64.00; Tiverton, 65.00; Tottenham, 62.00; Tweed, 125.00; Vienna, 40.00; Wardsville, 38.00; Waterdown, 71.00; Waterford, 127.00; Watford, 167.00; Wellington, 83.00; Weston, 120.00; Winchester, 144.00; Woodbridge, 79.00; Woodville, 62.00; Wyoming, 89.00; Wroxeter, 64.00 ..... 13,563 00

Treasurer Pelee Island, 75.00; Treasurer Public School Board Trustees, Fort Frances, 79.00 ..... 154 00

Riordon Paper Mills: Paper 6 49

Wm. Briggs: Printing pamphlets, "Religion in Schools" 10 00

W. H. Jenkins: Travelling expenses *re* Rural schools 6 20

SEPARATE SCHOOLS ($26,883.00).

Trustees R. C. S. S. Section:

6 Arthur, 31.00; 10 Arthur, 34.00; 4 Asphodel, 21.00; 15 Augusta, 11.00; 10 Adjala, 26.00; 2 Ashfield, 38.00; 3 Alfred, 18.00; 6 Alfred, 22.00; 7 Alfred, 33.00; 8 Alfred, 46.00; 9 Alfred, 25.00; 10 Alfred, 78.00; 11 Alfred, 18.00; 12 Alfred, 25.00; 13 Alfred, 30.00; 14 Alfred, 14.00; 15 Alfred, 24.00; U 7 Alfred with 8 Plantagenet, 9.00; 4 Admaston, 17.00; 2-5-8 Anderdon with 6-9 Sandwich W. 30.00; 3-4 Anderdon, 19.00; 4 Bromley, 15.00; 6 Bromley, 25.00; 7 Bromley, 46.00; 2 U. Brant with 3 Greenock, 9.00; 1 Brougham, 14.00; 1-(15) Brighton, 17.00; 2 N. Burgess, 21.00; 4 N. Burgess, 14.00; 6 N. Burgess, 10.00; 3 Biddulph, 11.00; 4 Biddulph, 33.00; 6 Biddulph, 22.00; 9 Biddulph with 1 McGillivray, 11.00; 3-4-10 Caledonia, 12.00; 10 Caledonia, 17.00; 12 Caledonia, 33.00; 13 Caledonia, 15.00; 6 Caledonia with 7 Plantagenet S., 15.00; 3 Cambridge, 25.00; 4 Cambridge, 19.00; 5 Cambridge, 32.00; 6 Cambridge, 20.00; 6-7 Cambridge, 43.00; 14 P. Cambridge, 18.00; U. 1 Carrick with 1 Culross, 64.00; U 2 Carrick with 2 Culross, 12.00; 1 Carrick, 30.00; 2 Carrick, 19.00; 4 Carrick, 29.00; 14 Carrick, 138.00; 1 Cornwall, 14.00; (arrears '03) 19.00; 16 Cornwall, 65.00; 4 Crosby N., 67.00; 7 Crosby N., 4.00; 10 Cumberland, 5.00; 11 Cumberland, 18.00; 13 Cumberland, 16.00; 14 Cumberland, 32.00; 3 Clarence, 14.00; 5 Clarence, 85.00; 6 Clarence, 52.00; 8 Clarence, 39.00; 11 Clarence, 28.00; 12 Clarence, 19.00; 13 Clarence, 11.00; 14 Clarence, 23.00; 16 Clarence, 29.00; 17 Clarence, 21.00; 18 Clarence, 19.00; 19 Clarence, 12.00; 20 Clarence, 14.00; 21 Clarence, 28.00; 15 Charlottenburg, 44.00; 1 U Culross with 1 Carrick, 77.00; 2 U Culross with 2 Carrick, 14.00; 9 Downie, 33.00; 3 Dover, 60.00; 7 Dover, 32.00; 9 Dover, 39.00; 2 Edwardsburg, 5.00; 1 Ellice, 4.00; 6 Ellice, 29.00; 7 Ellice, 18.00; 2 Flamboro W., 41.00; 5 Finch, 56.00; 5 Glenelg, 55.00; 7 Glenelg, 67.00; 3 Greenock with 2 Brant, 66.00; 4-5-12 Gloucester, 7.00; 1 Gloucester with 3 Osgoode, 9.00; 14 Gloucester, 30.00; 15 Gloucester, 67.00; 17 Gloucester, 22.00; 20 Gloucester, 16.00; 22 Gloucester, 13.00; 25 Gloucester, 96.00; 26 Gloucester, 19.00; 3 Griffith, 13.00; 9 Harwich, 26.00; 2 Haldimand, 67.00; 14 Haldimand, 19.00; 4 Hagarty, 44.00; 12 Hagarty, 50.00; 1 Howe Island, 12.00; 2 Howe Island, 18.00; 3 Howe Island, 20.00; 3 Holland, 40.00; 3 Holland & Glenelg, 18.00; 2 Hullett, 19.00; 1 Hay, 41.00; 11 Hay, 19.00;

EDUCATION.—*Continued.*

SEPARATE SCHOOLS.—*Continued.*

Trustees R. C. S. S. Section—*Continued.*

2 Hawkesbury E., 58.00; 4 Hawkesbury E., 15.00; 6 Hawkesbury E., 14.00;
7 Hawkesbury E., 101.00; 10 Hawkesbury E., 54.00; 11 Hawkesbury E., 30.00;
12 Hawkesbury E., 14.00; 15 Hawkesbury, E., 24.00; 16 Hawkesbury E., 11.00;
3 (1) Hibbert, 21...; 2 Hibbert, Logan & McKillop, 50.00;
3 Hibbert, Logan & McKillop, 3.00; 8 Kingston, 18.00; 14 Lancaster, 43.00;
1 Lochiel, 22.00; 12 "a" Lochiel, 34.00; 12 B Lochiel, 51.00;
2 Loughboro, 11.00; 10 Loughboro, 12.00; 2 W. Longueil, 21.00; 4 Longueil, 26.00;
7 Longueil, 19.00; 1 Maidstone, 48.00; 2 Maidstone, 23.00;
4 Maidstone with 2 Rochester, 20.00; 8 Maidstone with 5 Sandwich S., 27.00;
3 "a" Malden, 33.00; 3 "b" Malden, 21.00; 3 Mara, 60.00; 3 Mattawatchan, 27.00;
3 March, 43.00; 1 Marmora & Lake, 14.00; 3-4-5, Moore, 45.00;
4 Mornington, 26.00; 1 McKillop, 21.00; U 3 McKillop, 6.00;
1 McGillivray with 9 Biddulph, 900; 7 Nepean, 30.00; 15 Nepean, 93.00;
1 Nichol, 15.00; 5 Normanby, 16.00; 10 Normanby, 46.00; 1 Osgoode, 15.00;
2 "15" Osgoode, 9.00; 3 Osgoode with 1 Gloucester, 11.00; 8 Peel, 40.00;
12 Peel, 52.00; 5 Percy, 10.00; 12 Percy with 12 Seymour, 3.00;
4 Plantagenet N., 16.00; 7 Plantagenet N., 23.00; 8 Plantagenet N., 59.00;
9 Plantagenet N., 33.00; 12 Plantagenet N., 9.00; 4 Plantagenet S., 51.00;
7 Plantagenet S., 39.00; 8 Plantagenet S., 24.00; U 7 Plantagenet S., et al, 13.00;
U. 8 Plantagenet S., with 7 Alfred, 7.00; 6 Proton, 15.00; 11 Portland, 16.00;
4 Raleigh, 8.00; 5 Raleigh, 24.00; 6 Raleigh, 20.00; 10-17 Richmond, 14.00;
2 Rochester & 4 Maidstone, 22.00; 3 Rochester, 69.00; 6 Rochester, 55.00;
7 Rochester, 47.00; 9-14 Rochester, 37.00; 10 Rochester with 11 Tilbury N., 10.00;
12 Roxboro, 84.00; 16 Roxboro, 31.00; 1 Russell with 12 Winchester, 6.00;
4 Russell, 18.00; 6 Russell, 101.00; 7 Russell, 21.00; 8 Russell, 28.00;
13 Russell, 16.00; 14 Russell, 18.00; (arrears 1902), 20.00; 5 Sombra, 16.00;
6 Stephen, 33.00; 1 Sandwich W., 38.00; 4 Sandwich W., 23.00;
6-9 Sandwich W., with 2-5-8 Anderdon, 26.00; 1 Sandwich E., 110.00;
2 Sandwich E., 19.00; 3 Sandwich E., 19.00; 4 Sandwich E., 89.00;
5 Sandwich S. with 8 Maidstone, 51.00; 7 Sandwich S., 26.00;
12 Seymour with 12 Percy, 3.00; 7 Sydenham, 8.00; 5 Sheffield, 28.00;
6 Sherwood, 61.00; 1 Stanley, 22.00; 2 Tiny, 94.00; 1 Tilbury N., 60.00;
2 Tilbury N., 37.00; 6 Tilbury N., 29.00; 7 Tilbury N., 45.00; 11 Tilbury W., 27.00;
11 Tilbury with 10 Rochester, 22.00; 1 Tilbury E., 9.00; (arrears 1903), 9.00;
6 Toronto Gore, 13.00; 18 Tyendinaga, 13.00; 20 Tyendinaga, 20.00;
24 Tyendinaga, 20.00; 28 Tyendinaga, 13.00; 30 Tyendinaga, 17.00;
7 Vespra, 2.00; 13 Waterloo, 61.00; 1 Wawanosh, W., 19.00;
13 Westminster, 10.00; 5 Wellesley, 17.00; 9 and 10 Wellesley, 24.00;
11 Wellesley, 113.00; 12 Wellesley, 3.00; 10 Williams W., 50.00;
15½ Wilmott, 60.00; 8 Windham, 46.00; 10 Woolwich, 26.00;
1 Wolfe Island, 9.00; 2 Wolfe Island, 13.00; 4 Wolfe Island, 30.00;
7 Wolfe Island, 15.00; 4 Yonge and Escott rear, 11.00; 1 York, 33.00 .... 7,228 00

Treasurer R. C. S. S., City of:

Belleville, 286.00; Brantford, 240.00; Chatham, 199.00; Guelph, 258.00;
Hamilton, 1,120.00; Kingston, 459.00; London, 654.00; Niagara Fals, 112.00;
Ottawa, 3,975.00; St. Catharines, 272.00; St. Thomas, 185.00; Stratford, 247.00;
Toronto, 3,762.00; Windsor, 492.00; Woodstock, 66.00..... 12,327 00

Treasurer R. C. S. S. Town of:

Alexandria, 185.00; Almonte, 85.00; Amherstburg, 134.00; Arnprior, 174.00;
Barrie, 116.00; Berlin, 29..00; Brockville, 256.00; Cobourg, 141.00;
Cornwall, 407.00; Dundas, 91.00; Fort William, 171.00; Fort Francis, 15.00;
Galt, 62.00; Goderich, 58.00; Hawkesbury, 226.00; Ingersoll, 57.00;
Lindsay, 210.00; Mattawa, 137.00; Newmarket, 32.00; North Bay, 159.00;
Oakville, 23.00; Orillia, 130.00; Oshawa, 57.00; Owen Sound, 70.00;
Parkhill, 29.00; Paris, 52.00; Pembroke, 289.00; Perth, 143.00;
Preston, 54..0; Peterboro, 479.00; Picton, 38.00; Port Arthur, 143.00;
Prescott, 102.00; Rat Portage, 102.00; Rainy River, 34.00; Renfrew, 157.00;
Sarnia, 117.00; Sault Ste. Marie, 143.00; Sandwich, 110.00; Seaforth, 47.00;
Sudbury, 107.00; Sturgeon Falls, 153.00; St. Marys, 46.00; Thorold, 83.00;
Trenton, 129.00; Vankleek Hill, 152.00; Whitby, 32.00; Waterloo, 75.00;
Walkerton, 113.00; Wallaceburg, 69.00 ..... 6,285 00

EDUCATION.—*Continued.*

SEPARATE SCHOOLS.—*Continued.*

Treasurer R. C. S. S., Village of:
Arthur, 65.00; Belle River, 59.00; Casselman, 86.00; Elora, 23.00; Eganville, 63.00; Fergus, 10.00; Hastings, 36.00; Hintonburgh, 168.00; L'Original, 36.00; Merritton, 41.00; Ottawa E., 96.00; Portsmouth, 24.00; Port Dalhousie, 34.00; Rockland, 156.00; for 2 Clarance, 35.00; Tweed, 30.00; Tilbury, 66.00; Weston, 15.00 ..... 1,043 00

POOR SCHOOLS ($14,548.01).

Trustees R. C. S. S. Section:
3 Alfred, 40.00; 9 Alfred, 40.00; 10 Alfred, 60.00; 4 Asphodel, 30.00; 4 Admaston, 40.00; 15 Augusta, 40.00; 15 Brighton, 40.00; 4 Bromley, 90.00; 6 Bromley, 70.00; 7 Bromley, 70.00; 4 Burgess N., 30.00; 6 Burgess N., 50.00; 1 Brougham, 70.00; 14 Cambridge, 40.00; 13 Caledonia, 35.00; 5 Clarence, 100.00; 19 Clarence, 40.00; 15 Charlottenburgh, 50.00; 1 Cornwall, 40.00; 5 Finch, 70.00; 17 Gloucester, 40.00; 3 Griffith, 70.00; 2 E. Hawkesbury, 40.00; 4 Hagarty, 40.00; 12 Hagarty, 70.00; 14 Haldimand, 40.00; 1 Howe Island, 50.00; 2 Howe Island, 50.00; 3 Howe Island, 50.00; 12 "a" Lochiel, 50.00; 2 Loughboro, 40.00; 10 Loughboro, 40.00; 1 Maidstone, 40.00; 3 March, 50.00; 1 Marmora and Lake, 50.00; 3 Matawachan, 70.00; 1 Osgoode, 50.00; 2 (15) Osgoode, 70.00; 4 N. Plantagenet, 40.00; 5 Percy, 40.00; 12 Percy & Seymour, 40.00; 11 Portland, 70.00; 1 Russell & 12 Winchester, 30.00; 6 Russell, 40.00; 7 Russell, 35.00; 9-14 Rochester, 40.00; 10-17 Richmond, 70.00; 1 Sandwich E., 50.00; 2 Sandwich E., 40.00; 4 Sandwich E., 40.00; 6 Sherwood, 65.00; 1 Tilbury E., 40.00; 1 Tilbury N., 40.00; 2 Tiny, 40.00; 6 Toronto Gore, 40.00; 24 Tyendinaga, 40.00; 28 Tyendinaga, 40.00; 30 Tyendinaga, 50.00; 7 Vespra, 50.00; 7 Wolfe Island, 50.00; 4 Yonge & Escott rear, 60.00 ..... 2,935 00

Trustees Public School:
7 N. Crosby, 30.00; 8 N. Crosby, 30.00; 11 N. Crosby, 30.00; 9 S. Crosby, 50.00; 7 Tp. Darlington, 25.00; 2 Leeds & Lansdowne, 25.00; 7 Leeds & Lansdowne, 30.00; 11 Leeds & Lansdowne, 25.00; 16 Leeds & Lansdowne, 30.00; 11 Luther W., 80.00; U 12 Russell, 17 Finch & 21 Winchester, 80.00 ..... 435 00

Treasurer County of:
Bruce (23 schools) 538; Carleton (15 schools), 300.00; Dufferin (3 schools), 150.00; Elgin (21 Southwold), 35.00; Essex (2 Maidstone, 50.00; Tp. Mersea, 75.00; arrears, 75.00);
Frontenac (32 schools), 930.00; Grey (U. 16 Artemesia & Glenelg), 25.00·
Haliburton (57 schools), 2,413.00; Hastings (9 schools), 340.00; Lambton (3 schools), 150.00;
Lanark, (23 schools), 550.00; 9 Dalhousie, 1903, 20.00; Leeds & Grenville (4 schools), 150.00;
Lennox & Addington (19 schools), 580.00; Ontario (6 schools), 180.00; Peterboro (32 schools), 630.00;
Renfrew (42 schools), 1,400,00; Stormont, Dundas & Glengarry (12 Lochiel special) 45.00;
Victoria (26 schools), 815.00; Wellington (2 schools), 90.00 ..... 9,541 00

Treasurer Township of:
Bangor, McClure & Wicklow (6 schools), 115.00; Carlow 5 schools), 135.00;
Dungannon (6 schools), 145.00; Elzevir (7 schools), 102.00; Faraday (6 schools), 121.00; Herschell & Monteagle (9 schools), 235.00; Huntingdon, 30.00; Limerick, 30.00; Matchedash, 25.00; Mayo (4 schools), 110.00; Madoc (2 schools), 60.00; Marmora, 30.00; Orillia (3 schools), 75.00; Tudor & Cashell (6 schools), 117.00; Wollaston (6 schools), 90.00 ..... 1,420 00

Royal Trust Co. for Moose Fort School, James Bay 100 00

do grant in aid of school for English speaking children at Albany, James Bay 100 00

Warwick Bros. & Rutter, printing, 1.85; L. K. Cameron, paper, 15.16..... 17 01

EDUCATION.—*Continued.*

DISTRICT SCHOOLS ($47,912.37).

Algoma, Manitoulin, etc.:
1 Assignack, 100.00; 2 Assignack, 100.00; 3 Assignack, 100.00;
4 Assignack, 100.00 5 Assignack, 100.00; 6 Assignack, 100.00;
1 Aird Island, 100.00; 1 Aberdeen, 100.00; 2 Aberdeen, 100.00;
3 Aberdeen, 85.00; 2 Allen, 100.00; Buckley, 50.00; arrears 1903, 45.00;
2 Barrie Island, 100.00; 1 Bright & Gladstone, 100.00; 1 Bright & Bright, add'l 100.00;
1 Billings & Allen, 100.00; 2 Billings & Allen, 100.00; 1 Burpee, 100.00;
2 Burpee, 100.00; 1 Balfour, 100.00; 2 Balfour, 80.00;
3 Balfour, 80.00; arrears 1903, 50.00; 1 Biscotasing, 100.00;
4 Bidwell, 100.00; 5 Bidwell, 100.00; 6 Bidwell, 100.00;
1 Campbell, 100.00; 2 Campbell, 100.00; 3 Campbell, 100.00; 4 Campbell, 100.00;
1 Cartier, 100.00; 1 Carnarvon, 100.00; 2 Carnarvon, 100.00;
3 Carnarvon, 100.00; 6 Carnarvon, 100.00; 1 Cockburn Island, 100.00;
2 Cockburn Island, 100.00; 1 Carlyle, 50.00; 1 Chapleau, 100.00;
1 Creighton & Snider, 100.00; 1 Creighton, 100.00; 1 Cobden, 100.00;
1 Day & Gladstone, 75.00; 1 Day & Kirkwood, 100.00; 1 Dawson, 100.00;
1 Drury & Denison, 100.00 2 Drury & Denison, 35.00; 3 Drury & Denison, 85.00;
4 Drury & Denison, 50.00; 1 Fenwick, 100.00; 2 Fenwick, 50.00;
1 Gordon, 100.00; 4 Gordon, 100.00; 5 Gordon, 100.00; 1 Galbraith, 50.00;
1 Hilton, 100.00; 6 Hilton, 100.00; 3 Harrow, 50.00; 2 Howland, 100.00;
3 Howland, 100.00; 7 Howland, 100.00; 8 Howland, 100.00;
1 Hallam & May, 100.00; 2 Hallam & May, 100.00; 1 Jocelyn, 50.00;
2 Jocelyn, 100.00; 3 Jocelyn, 100.00; 4 Jocelyn, 100.00; 1 Johnston, 100.00;
2 Johnston, 100.00; 3 Johnston, 100.00; 4 Johnston, 100.00;
1 John's Island, 100.00; Korah E., 100.00; Korah W., 100.00; Korah N., 100.00;
4 Korah, 85.00; 1 Laird, 100.00; 3 Laird, 100.00; 2 Laird & Tarbutt, 50.00;
1 Laird, 100.00; 3 Laird, 100.00; 2 Laird & Tarbutt, 50.00;
1 Lefroy, 100.00; 2 Lefroy, 100.00; 3 Lefroy, 100.00; 1 Long, 100.00;
1 Lewis, 75.00; arrears 1903, 90.00; 1 Merritt, 85.00; 1 Mills, 100.00;
Michipicoten Wa Wa, 50.00; 1 Missanabie, 100.00; 1 McDonald, 100.00;
2 McDonald, 100.00; 3 McDonald, 100.00; 4 McDonald, 25.00;
1 Nairn & Lorne, 100.00; 1 Prince, 70.00; 2 Prince, 100.00;
2 Parkinson, 100.00; 1 Patton & Gladstone, 100.00; 1 Plummer, 80.00;
1 Plummer & Rose, 50.00; 2 Plummer & Rose, 50.00; 1 Robinson, 100.00;
2 Rayside, 100.00; 3 Rayside, 100.00; 1 Rutherford, 100.00;
4 Shequindah, 150.00; 1 Snider, 100.00; 1 Sandfield, 100.00;
2 Sandfield, 100.00; 3 Sandfield & Tehkummah, 100.00;
4 Sandfield & Tehkummah, 100.00; 1 St. Joseph, 100.00; 2 St. Joseph, 100.00;
3 St. Joseph, 100.00; 4 St. Joseph, 100.00; 5 St. Joseph, 100.00;
1 Salter & May, 100.00; 2 Salter, May & Harrow, 50.00; 3 Salter, 50.00;
3 Salter, May & Harrow, 100.00; 5 Salter, 100.00; 1 Spragge, 100.00;
1 Shedden, 100.00; Steelton, 50.00; 1 Tehkummah, 100.00;
4 Tehkummah, 100.00; 1 Tarentorus, 100.00; 2 Tarentorus, 100.00;
1 Tarbutt, 70.00; 2 Tarbutt, 100.00; arrears 1903, 45.00;
2 Tarbutt & Laird, 50.00; 2 Thessalon, 100.00; 3 Thessalon, 100.00;
1 Thompson, 100.00; 2 Thompson, 100.00; Tagona, 50.00; 1 Victoria, 100.00;
1 Wells, 85.00; 3 Wells, 100.00; 1 White River, 100.00;

Trustees R. C. S. S. Section:
2 Balfour, 43.00; 1 Balfour & Rayside, 100.00; 6 Dilke, 90.00;
1 Sault Ste. Marie, 100.00; 1 Keewatin, 100.00 ..... 13,528 00

Muskoka District—Secretary Treasurer:
1 Brunel, 100.00; 2 Brunel, 50.00; 3 Brunel, 100.00; 4 Brunel, 75.00;
5 Brunel, 100.00; 6 Brunel, 100.00; 7 Brunel, 50.00;
U 1 Baxter with 8 Tay, 100.00; 1 Chaffey, 100.00; 3 Chaffey, 00.00;
5 Chaffey, 100.00; 6 Chaffey, 100.00; 7 Chaffey, 100.00; 8 Chaffey, 100.00;
9 Chaffey, 100.00; 10 Chaffey, 100.00; 2 Franklin, 75.00; 3 Franklin, 100.00;
4 Franklin, 75.00; 5 Franklin, 75.00; 6 Franklin, 100.00; 1 Sinclair, 100.00;
1 Stisted, 100.00; 2 Stisted, 100.00; 3 Stisted, 100.00; 4 Stisted, 100.00;
5 Stisted, 100.00; 6 Stisted, 100.00; 7 Stisted, 100.00;

Treasurer Township of Cardwell, 400.00; Draper, 900.00; Monk, 600.00;
Muskoka, 600.00; Morrison, 500.00; Medora, 900.00; Macauley, 800.00;
McLean & Ridout, 175.00; Oakley, 475.00; Ryde, 450.00; Ridout, 75.00;
Stephenson, 900.00; Watt, 600.00; Wood, 400.00; 10,175 00

EDUCATION.—*Continued.*

DISTRICT SCHOOLS.—*Continued.*

Nipissing District:
1 Airy, 100.00; 1 Appleby, 100.00; 2 Badgerow, 100.00; 1 Blezard, 100.00;
2 Blezard, 100.00; 1 Bonfield, 100.00; 2 Bonfield, 100.00; 1 Caldwell, 100.00;
2 Caldwell, 100.00; 3 Caldwell, 100.00; 1 Calvin, 100.00; 2 Calvin, 100.00;
3 Calvin, 100.00; 4 Calvin, 100.00; 1 Cameron, 100.00; 1 Capreol, 100.00;
2 Capreol, 35.00; 1 Chisholm, 100.00; 2 Chisholm, 100.00; 3 Chrisholm, 75.00;
4 Chrisholm, 100.00; 5 Chrisholm, 75.00; 1 Casimir, 35.00, 1 Dryden, 100.00;
1 Dunnett, 100.00; 2 Dunnett, 40.00; 3 Dunnett, 80.00; 4 Dunnett, 100.00;
1 Ferris, 100.00; 3 Ferris, 100.00; 4 Ferris, 100.00; 1 Field, 100.00;
2 Field, 100.00; 2 Gibbons, 100.00; arrears 1903, 15.00; 1 Hagar, 100.00;
1 Harris & Dymond, 45.00; 1 Hanmer, 100.00; 1 Hugel, 90.00;
2 Hugel, 100.00; 1 Jennings, 100.00; 1 Kirkpatrick, 100.00; 2 Kirkpatrick, 100.00;
3 Kirkpatrick, 100.00; 4 Kirkpatrick, 100.00; 5 Kirkpatrick, 100.00;
1 Lyell & Murchison, 100.00; 2 Lyell & Murchison, 100.00; 1 Martland, 100.00;
3 McKim, 100.00; 4 McKim, 100.00; 1 Mattawan, 100.00; 2 Mattawan, 65.00;
1 McCraney, 100.00; 2 Papineau, 85.00; 3 Springer, 50.00; 4 Springer, 55.00;
5 Springer, 50.00; 2 Widdifield, 100.00; 3 Widdifield, 50.00;
4 Widdifield, 100.00; 5 Widdifield, 85.00;

Treasurer, R. C. S. S. Section :—
1 (a) Bonfield, 100.00; 1 (B) Bonfield, 100.00; 2 Bonfield, 100.00;
4 Bonfield, 100.00; 1 Chisholm & Boulter, 100.00; 2 Chisholm & Boulter, 94.00;
1 Dunnett & Rutter, 100.00; 2 Ferris, 100.00; arrears, 1902-3, 116.00;
3 Ferris, 100.00; 4 Ferris, 100.00; 1 Gibbon, 100.00; 1 Grant, 100.00;
1 McPherson & Kirkpatrick, 100.00; 1 Papineau, 50.00; 2 Papineau, 100.00;
2 (B) Papineau, 100.00; 1 Springer, 140.00; 2 Springer, 100.00; 3 Springer, 100.00;
5 Springer, 53.00; 2 Widdifield, 100.00 .... 7,623 00

Parry Sound District :—
1 Armour, 100.00; 3 Armour, 100.00; 4 Armour, 50.00; 5 Armour, 50.00;
6 Armour, 100.00; 2 Bethune, 75.00; 1 Carling, 100.00; 2 Carling, 100.00;
3 Carling, 100.00; 4 Carling, 60.00; 8 Carling, 80.00; U 1 Chapman, 100.00;
2 Chapman, 100.00; 3 Chapman, 100.00; 4 Chapman, 100.00; 5 Chapman, 100.00;
1 Christie, 100.00; 2 Christie, 100.00; 3 Christie, 100.00; U 5 Christie, 100.00;
1 Croft, 100.00; 2 Croft, 100.00; 3 Croft, 50.00; 1 Ferguson, 100.00;
U 1 Ferrie, 100.00; 2 Foley, 100.00; 3 Foley, 100.00; 4 Foley, 100.00;
1 Gurd, 100.00; 2 Gurd, 100.00; 3 Gurd, 75.00; 3 N. Himsworth, 100.00;
4 N. Himsworth, 100.00; 1 S. Himsworth, 100.00; 2 S. Himsworth, 100.00;
3 S. Himsworth, 100.00; 5 S. Himsworth, 100.00; 6 S. Himsworth, 100.00;
8 S. Himsworth, 100; 9 S. Himsworth, 100.00; 1 U. Hagerman, 100.00;
2 Hagerman, 100.00; 3 Hagerman, 100.00; U. 4 Hagerman, 100.00;
5 Hagerman, 100.00; 1 (1) Humphrey, 100.00; 1 (2) Humphrey, 100.00, arrears, 50.00;
4 Humphrey, 100.00; 6 Humphrey, 100.00; 1 Joly, 100.00; 1 Laurier, 75.00;
2 Laurier, 100.00; 3 Laurier, 100.00; 1 Lount, 100.00; 2 Lount, 100.00;
1 Machar, 100.00; 2 Machar, 100.00; 3 Machar, 100.00; 4 Machar, 100.00;
5 Machar, 100.00; 6 Machar, 100.00; 7 Machar, 100.00; 1 Mills, 100.00;
1 Monteith, 100.00; 2 Monteith, 100.00; 3 Monteith, 75.00; 4 Monteith, 50.00;
1 Mowat, 100.00; 1 McKenzie, 75.00; U. 2 McDougall, 100.00;
3 McDougall, 100.00; 4 McDougall, 100.00; 6 McDougall, 100.00;
1 McKellar, 100.00; 3 McKellar, 100.00; 4 McKellar, 100.00; 5 McKellar, 100.00;
6 McKellar, 100.00; 1 McMurrich, 100.00; 2 McMurrich, 100.00;
3 McMurrich, 100.00; 4 McMurrich, 100.00; 5 McMurrich, 100.00;
1 Nipissing, 100.00; 2 Nipissing, 100.00; 3 Nipissing, 100.00; 5 Nipissing, 100.00;
2 Perry, 100.00; 3 Perry, 70.00; 4 Perry, 100.00; 5 Perry, 100.00;
6 Perry, 100.00; U 7 Perry, 80.00; 8 Perry, 100.00; 9 Perry, 100.00;
1 Proudfoot, 100.00; U 1 Patterson, 100.00; 2 Pringle, 100.00; 1 Ryerson, 100.00;
2 Ryerson, 100.00; 3 Ryerson, 100.00; 4 Ryerson, 100.00; 5 Ryerson, 100.00;
1 Strong, 100.00; 2 Strong, 100.00; 3 Strong, 100.00; 5 Strong, 100.00;
6 Strong, 100.00; U 1 Spence, 100.00; 2 Spence, 100.00; 1 Wallbridge, 100.00;
2 Wallbridge, 100.00; U 1 Wilson, 100.00 .... 10,915 00

Rainy River District :—
Secretary Treasurer :—1 Aubrey & Eton, 100.00; 1 Aylesworth, 170.00;
12 Attwood, 25.00; 1 Atikokan, 50.00; .. 1 Burriss, 90.00, arrears, 5.00;
1 Carpenter, 100.00, arrears, 1903, 25.00; 2 Carpenter, 50.00; 2 Crozier, 125.00;
3 Crozier, 90.00; 6 Dilke, 140.00; 1 Devlin, 105.00; 2 Devlin, 105.00;

EDUCATION.—*Continued.*

DISTRICT SCHOOLS.—*Continued.*

Rainy River District—
3 Devlin, 40.00; 2 Dobie, 105.00; 4 Dobie, 100.00, arrears 1903, 25.00;
1 Eton & Aubrey, 1903, 100.00; 1 Keewatin, 100.00; 5 Lash, 100.00, arrears, 25.00;
2 Lash & Carpenter, 65.00; 10 Lash & Aylesworth, 65.00; 7 Morley, 75.00;
9 Morley, 80.00; 1 Shenstone, 100.00; 5 Shenstone, 100.00; 1 Southworth, 65.00;
1 Vanhorne, 125.00; 1 Wainwright, 160.00; 1 Woodyatt, 170.00; 1 Worthington, 110.00;
1 Zealand, 100.00.... 2,990 00

Thunder Bay District:—
Secretary Treasurer:—1 Dorion, 70.00; 1 Gold Rock, 121.47;
1 Gillies & O'Connor, 110.00; 2 Gillies & O'Connor, 140.00; 1 Gillies, 80.00;
1 Ignace, 100.00; 3 McIntyre, 150.00; 1 Nepigon, 121.43; 1 Oliver, 100.00;
2 Oliver, 80.00; 3 Oliver, 80.00; 1 O'Connor, 60.00; 1 Paipoonge, 115.00;
2 Paipoonge, 100.00; 3 Paipoonge, 100.00; 1 Rossport, 115.00; 1 Savanne, 60.00;
1 Southworth, 50.00; 1 Schreiber, 118.47; 1 White River, balance 1903, 20.00;
1 Zealand, 1903, 100.00 .... 1,991 37

Temiscaming District:—
1 Bucke, 100.00; 1 Brethour, 40.00; 1 Casey, 90.00; 2 Dymond, 100.00;
1 Hudson, 100.00; 1 Harley, 100.00; 1 Kearns, 100.00 ..... 630 00

KINDERGARTEN SCHOOLS ($3,018.64).

Treasurer, Public School, City of:—
Brantford, 117.65; Chatham, 74.10; Guelph, 27.95; Hamilton, 308.10;
Kingston, 90.35; London, 249.60; Ottawa, 302.25; Stratford, 70.20;
Toronto, 1,284.40 ..... 2,524 60

Treasurer, Public School, Town of:—
Aylmer, 26.65; Berlin, 126.75; Cobourg, 24.05; Galt, 25.35;
Hespeler, 20.15; Ingersoll, 18.85; Listowel, 8.45; Owen Sound, 30.55;
Simcoe, 21.45; Picton, 19.50; Preston, 27.30; Peterboro, 40.30;
Toronto Junction, 54.60; Tilsonburg, 20.15; Waterloo, 16.90; Welland, 8.45 2 60
Warwick Bros. & Rutter, printing, 1.30; L. K. Cameron, paper, 1.29 ..... 2 59
University Co., advertising, 1.00; Varsity, advertising, 1.00 ..... 2 00

NIGHT SCHOOLS ($171.00).

Secretary Public School Board, City of:—
St. Catharines, 6.00; Toronto, 156.00 ..... 162 00
Advertising:—Queen's University Journal, 1.00; Educational Publishing Co., 4.00....
University Co., 2.00; Queen's Quarterly, 2.00 .. 9 00

AGRICULTURE AND HORTICULTURE IN RURAL SCHOOLS ($364.55).

Treasurer, County Carleton, grant re instruction..... 240 00
do Public School Trustees, Village of Richmond, school garden 110 00
Warwick Bros. & Rutter, printing, 12.75; L. K. Cameron, paper, 1.40 ..... 14 15
Riordon Paper Mills, paper 40

CONTINUATION CLASSES ($18,367.47).

Treasurer, County of:—
Brant, 115.00; Bruce, 205.00; Carleton, 295.00; Dufferin, 25.00;
Essex, 250.00; Elgin, 590.00; Frontenac, 15.00; Grey, 110.00;
Halton, 40.00; Haldimand, 165.00; Huron, 545.00; Hastings, 115.00;
Kent, 1,045.00; Leeds & Grenville, 155.00; Lanark, 130.00; Lambton, 150.00;
Lennox & Addington, 45.00; Middlesex, 365.00; Northumberland & Durham, 210.00;
Norfolk, 70.00; Ontario, 215.00; Oxford, 355.00; Prescott & Russell, 65.00;
Prince Edward, 135.00; Peel, 55.00; Perth, 215.00; Renfrew 85.00;
Simcoe, 905.00; Stormont, Dundas & Glengarry, 430.00; Victoria, 25.00;
Welland, 115.00; Wellington, 175.00; Wentworth, 210.00; York, 200.00..... 7,825 00

EDUCATION.—*Continued.*

CONTINUATION CLASSES.—*Continued.*

Board, Public School Trustees, Town of:—
Alliston, 200.00; Amherstburg, 200.00; Blenheim, 100.00; Bothwell, 100.00; Bruce Mines, 200.00; Copper Cliff, 30.00; Durham, 200.00; Dresden, 100.00; Fort Frances, 50.00; Gore Bay, 400.00; Huntsville, 200.00; Little Current, 100.00; Midland, 100.00; Milton, 100.00; Palmerston, 100.00; Parry Sound, 400.00; Stayner, 200.00; Sudbury, 50.00; Sturgeon Falls, 50.00; Thessalon, 100.00; Wallaceburg, 200.00; Wingham, 200.00; Walkerville, 100.00, arrears, 100.00..... 3,680 00

Board, Public School Trustees, Village of:—
Acton, 100.00; Ayr, 25.00; Arkona, 15.00; Alvinston, 200.00; Beeton, 200.00; Burks Falls, 400.00; Beaverton, 50.00; Bayfield, 15.00; Bath, 100.00; Bolton, 100.00; Bobcaygeon, 100.00; Bridgeburg, 50.00; Brussels, 200.00; Blyth, 100.00; Creemore, 100.00; Cardinal, 25.00; Cannington, 25.00; Chatsworth, 15.00; Chesterville, 100.00; Clifford, 50.00; Chesley, 300.00; Dundalk, 25.00; Delhi, 50.00; Drayton, 100.00; Elmira, 25.00; Exeter, 300.00; Eganville, 100.00; Embro, 25.00; Erin, 100.00; Fenelon Falls, 25.00; Fort Erie, 50.00; Grand Valley, 100.00; Hanover, 100.00; Havelock, 50.00; Hintonburgh, 100.00; Hensall, 25.00; Kingsville, 50.00; Lakefield, 50.00; Lanark, 100.00; Lancaster, 15.00; Lucknow, 50.00; Millbrook, 100.00; Markdale, 50.00; Maxville, 25.00; Merrickville, 100.00; Milverton, 50.00; Marmora, 15.00; Newboro, 50.00; Newbury, 15.00; Norwich, 100.00; New Hamburg, 25.00; Oil Springs, 100.00; Paisley, 200.00; Port Colborne, 50.00; Port Stanley, 15.00; Rockland, 25.00; Richmond, 15.00; Shelbourne, 200.00; Springfield, 100.00; Stouffville, 15.00; Teeswater, 100.00; Tiverton, 50.00; Thamesville, 100.00; Thedford, 15.00; Tweed, 50.00; Tottenham, 200.00; Tilbury, 50.00; Woodbridge, 50.00; Westport, 100.00; Winchester, 100.00; Woodville, 15.00; Wroxeter, 25.00; Wyoming, 25.00 ..... 5,840 00

Board Public School Trustees:—
1 Chapman, 50.00; 1 Cobden, 100.00; 1 Humphrey, 30.00; 8 S. Himsworth, 50.00; 1 Hilton, 30.00; 2 Machar, 30.00; 8 Perry, 30.00; 3 Stephenson, 30.00; 2 Thessalon, 30.00 ..... 380 00

Board R. C. S. S. Trustees, Town of:—
Amherstburg, 100.00; Mattawa, 30.00; Sudbury, 30.00 ..... 160 00
Board R. C. S. S. Trustees, Village of:—Eganville, 100.00; Rockland, 25.00 ..... 125 00
Board R. C. S. S. Section—6 Arthur, 15.00; 2 Ashfield, 25.00; 4 Biddulph, 25.00; 4 N. Crosby, 50.00; 15 Gloucester, 25.00; 3 Mara, 5.00; 5 Raleigh, 25.00; 6 Raleigh, 25.00; 1 W. Wawanosh, 15.00 ..... 220 00
Warwick Bros. & Rutter, printing, 22.43; L. K. Cameron, paper, 13.04 ..... 35 47
W. McMaster, postage stamps, 100.00; Educational Pub. Co., advertising, 2.00; 102 00

COUNTY MODEL SCHOOLS ($10,299.81).

Public School Board Trustees:—
Athens, 150.00; Barrie, 150.00; Beamsville, 150.00; Bradford, 150.00; Berlin, 150.00; Bracebridge, 150.00; Brampton, 150.00; Caledonia, 150.00; Chatham, 150.00; Clinton, 150.00; Cornwall, 150.00; Durham, 150.00; Elora, 150.00; Forest, 150.00; Gananoque, 150.00; Goderich, 150.00; Hamilton, 150.00; Ingersoll, 150.00; Kincardine, 150.00; Kingston, 150.00; Lindsay, 150.00; London, 150.00; Madoc, 150.00; Meaford, 150.00; Milton, 150.00; Mitchell, 150.00; Mt. Forest, 150.00; Minden, 150.00; Morrisburg, 150.00; Napanee, 150.00; Newmarket, 150.00; Norwood, 150.00; Orangeville, 150.00; Owen Sound, 50.00; Parry Sound, 150.00; Perth, 150.00; Picton, 150.00; Port Hope, 150.00; Port Perry, 150.00; Prescott, 150.00; Renfrew, 150.00; Rat Portage, 150.00; St. Thomas, 150.00; Sarnia, 150.00; Sault Ste. Marie, 150.00; Simcoe, 150.00; Stratford, 150.00; Strathroy, 150.00; Toronto, 150.00; Toronto Junction, 150.00; Vankleek Hill, 150.00; Walkerton, 150.00; Whitby, 150.00; Windsor, 150.00; Woodstock, 150.00; Welland, 150.00 ..... 8,400 00

EDUCATION.—*Continued.*

COUNTY MODEL SCHOOLS.—*Continued.*

Special grants:—	
Berlin, 150.00; Bracebridge, 150.00; Parry Sound, 150.00	
Rat Portage, 150.00; Sault Ste. Marie, 150.00	750 00
French-English Model School, 6 Plantagenet N	150 00
Books:—Wm. Briggs, 317.52; Morang & Co., 317.52; Copp, Clark Co., 316.40	951 44
Warwick Bros. & Rutter, printing, 4.60; Canadian Express Co., charges, 14.55	19 15
Dominion Express Co., charges	15 22
Advertising :—Queen's University Journal, 2.00; Varsity, 2.00;	
Educational Publishing Co., 6.00; Educational Monthly, 4.00	14 00

FRENCH-ENGLISH TRAINING SCHOOL ($800.00).

Trustees, Public School, 6 Plantagenet N	800

TEACHERS ASSOCIATIONS AND DISTRICT TRAINING SCHOOLS ($2,664.45).

Treasurer, Teachers' Association :—	
Algoma E., 25.00; Algoma W., 25.00; Bruce E., 25.00; Bruce W., 25.00; Brant & Brantford, 25.00; Carleton, 25.00; Dundas, 25.00; Dufferin, 25.00; Durham, 25.00; Elgin, 25.00; Essex N., 25.00; Essex S., 25.00; Frontenac, 25.00; Glengarry, 25.00; Grey E., 25.00; Grey S., 25.00; Grey N., 25.00; Grenville, 25.00; Halton, 25.00; Huron E., 25.00; Huron W., 25.00; Haldimand, 25.00; Hastings N., 25.00; Hastings S., 25.00; Kent E., 25.00; Kent W. & Chatham, 25.00; Lanark, 25.00; Lambton W., 25.00; Lambton E., 25.00; Leeds E., 25.00; Leeds W., 25.00; Lennox & Addington, 25.00; Lincoln, 25.00; Middlesex E., 25.00; Middlesex W., 25.00; Muskoka, 25.00; Northumberland, 25.00; Norfolk, 25.00; Ontario N., 25.00; Ontario S., 25.00; Oxford, 25.00; Parry Sound W., 25.00; Peel, 25.00; Peterboro, 25.00; Perth, 25.00; Prescott & Russell, 25.00; (French Teachers Institute, 25.00; Prince Edward, 25.00; Renfrew, 25.00; Stormont, 25.00; Simcoe N., 25.00; Simcoe S. & W., 25.00; Simcoe E. & Muskoka, 25.00; Victoria E., 25.00; Victoria W., 25.00; Waterloo, 25.00; Wentworth, 25.00; Wellington N., 25.00; Wellington S., 25.00; Welland, 25.00; York N., 25.00; York S., 25.00; Manitoulin 1902, 25.00; Rainy River, 25.00; Thunder Bay, 25.00	1,625 00
Treasurer, Teachers' Association, City of:	
Brockville, 25.00; Guelph, 25.00; Hamilton, 25.00; Kingston, 25.00	
London, 25.00; (R. C. Teachers Ass'n.) 25.00; Ottawa, 25.00; Stratford, 25.00	
St. Catharines, 25.00; St. Thomas, 25.00; Toronto, 25.00; Windsor & Walkerville, 25.00	300 00
Treasurer, Ontario Educational Association, Grant	600 00
do Bi-Lingual School Teachers' Institute, Ottawa	25 00
Board R. C. S. S. London, grant in aid of Annual Convention of Sep. School Teachers	25 00
do Toronto, do do	25 00
C. W. Colby, travelling expenses *re* address at Ontario Teachers' Association	15 00
W. H. Jenkins, do attending Teachers' Institute, Co. Hastings	13 95
H. F. Taylor, services as Phone boy, 2.50; Wm. McMaster, postage stamps, 25.00	27 50
Advertising :—Educational Ptg. Co., 4.00; University Co. 2.00; Queen's Quarterly, 2.00	8 00

INSPECTION OF PUBLIC, SEPARATE AND DISTRICT SCHOOLS ($69,595.94).

J. J. Tilley: Twelve months, salary as	Inspector of Model Schools		1,850 00
do	do	Travelling Expenses	650 40
J. F. Power	do	Inspector Separate Schools	1,700 00
do		Travelling Expenses	425 85
Wm. Prendergast	do	Inspector Separate Schools	1,700 00
do		Travelling Expenses	206 15
M. O'Brien	do	Inspector Separate Schools	1,700 00
do		Travelling Expenses	515 55
Telesphore Rochon	do	Inspector Bi-Lingual Schools	1,700 00
do		Travelling Expenses	272 55
Rev. Geo. Grant	do	Inspector District Schools	1,500 00
do		Travelling Expenses	306 05

EDUCATION.—*Continued.*

INSPECTION OF PUBLIC, SEPARATE AND DISTRICT SCHCOLS.—*Continued.*

D. McCaig:	Twelve months' salary as	Inspector District Schools	1,500 00
do		Travelling Expenses	267 85
L. A. Green	do	Inspector District Schools	1,500 00
Jno Ritchie	do	do do	1,500 00
Albert H. Leake	do	do Technical Schools	1,600 00
do		Travelling Expenses	510 63
J. B. McDougall	do	Inspector District Schools	1,500 00
D. Chenay	do	do Bi-Lingual Schools Essex & Kent	500 00
do	arrears salary	do do	125 00
W. S. Clendenning:	Special allowance re	Inspection, Indian Peninsula, Co. Bruce	25 00
Wm. MacIntosh	do	do Remote Townships, Hastings N.	75 00
D. McCaig	do	do Bruce Mines, etc.	75 00

Public School Inspectors:

W. Atkin, 713.33; J. H. Ball, 643.83; C. A. Barnes 694.58; A. Brown, 619.26; H. H. Burgess, 612.33; J. C. Brown, 646.33; F. Burrows, 705.00; W. Carlyle, 801.25; W. J. Chisholm, 680.00; H. F. Cook, 208.41; N. W. Campbell, 693.33; W. S. Clendenning, 690.00; D. Chenay, 209.66; D. Clapp, 612.00; Rev. W. H. G. Colles, 513.33; R. H. Cowley, 722.08; T. A. Craig, 591.41; J. J. Craig, 375.58; A. B. Davidson, 595.67; Isaac Day, 1,143.00; J. S. Deacon, 513.33; A. Embury, 565.74; D. Fotheringham, 683.33; A. Grier, 363.00; N. Gordon, 674.67; W. W. Ireland, 492.08; W. Irwin, 716.25; Jno. Johnston, 606.67; Wm. Johnston, 572.67; H. D. Johnston, 610.83; R. Kinney, M.D., 516.00; J. H. Knight, 414.00; J. McBrien, 476.33; D. McDiarmid, 485.00; A. McNaughton, 578.33; Rev. Thos. McKee, 688.75; D. A. Maxwell, 655.00; Wm. Macintosh, 685.00; C. Moses, 578.33; J. C. Morgan, 706.67; F. L. Michell, 833.75; D. D. Moshier, 680.00; A. Odell, 708.33; R. Park, 561.33; Thos. Pearce, 858.50; S. Phillips, 1,310.00; G. D. Platt, 528.59; D. Robb, 685.42; R. G. Scott, 940.00; J. H. Smith, 606.67; F. W. Standing, 453.33; W. H. Stevens, 1,111.66; W. J. Summerby, 669.01; Wm. Spankie, 781.25; F. W. Sheppard, 270.00; P. J. Thompson, 640.67; W. E. Tilley, 715.00; J. E. Tom, 697.08; J. Waugh, 499.00; J. J. Wadsworth, 526.83 ... 38,133 73

Treasurer Board Public School Trustees City of:

Belleville,, 105.00; Brantford, 245.00; Brockville, 120.00; Chatham, 140.00; Guelph, 162.50; Hamilton, 825.00; Kingston, 260.00: London, 635.00; Niagara Falls, 60.00; Ottawa, 510.00; St. Catharines, 125.00; St. Thomas, 200.00; Stratford, 140.00; Toronto, 2,920.00; arrears 1903, 1,585.00; Windsor, 180.00; Woodstock, 150.00 .. 8,362 50

Treasurer Board Public School Trustees, Town of:

North Toronto, 40.00; Peterboro, 185.00; Prescott, 35.00; St. Marys, 50.00; Smith's Falls, 95.00; Trenton, 90.00; Toronto Junction, 135.00; Walkerville, 35.00 .. 665 00

Proposed changes in course of Study:

J. R. Stuart: Services as Secretary of Committee 27.00;
Travelling expenses: J. E. Burchell, 13.70; W. S. Ellis, 15.50; A. D. Griffin, 7.30; F. W. Merchant, 12.45; W. Macintosh, 14.75; W. J. Robertson, 9.55; D. Robb, 10.60; W. D. Spence, 10.35; J. R. Stuart, 10.85; A. Stevenson, 6.95; H. J. Strang, 8.50; E. Ward, 7.05; D. Young, 6.50 .. 161 05

Travelling Expenses re Arrangement of District Inspectorates.

Isaac Day, 5.95; Rev. Geo. Grant, 5.95; S. Phillips, 9.32; W. H. Stevens, 5.45..... 26 67

Warwick Bros. & Rutter, printing & binding, 221.41; Riordon Paper Mills, paper, 17.78 239 19

L. K. Cameron, paper, 34.58; stationery, 54.34; C. T. Adams, stationery, 2.50..... 91 42

Sault Express, stationery and printing, 9.00; W. McMaster, postage stamps, 112.00 121 00

Postmaster Sault Ste. Marie, postage stamps, 14.00; J. Ritchie, postage & stationery, 10.00.. 24 00

Dominion Express Co., charges, 3.05; D. W. Wright, cartage, .25..... 3 30

Advertising: University Co., 18.00: Queens University Jl., 17.00; Varsity, 11.00.....
Educational Pub. Co., 12.00; Queens Quarterly, 5.00 .. 63 00

EDUCATION.—*Continued.*

DEPARTMENTAL EXAMINATIONS ($23,618.26).

W. H. Jenkins: Twelve months' salary as		Registrar	1,800 00
W. W. Jeffers	do	Clerk	1,000 00
S. A. May	do	do	800 00
F. N. Nudel	do	Secretary Board of Examiners	500 00
M. D. King	do	Stenographer	450 00
Bruce Leadbetter	do	Printer	850 00

Sundry persons services as Examiners: Junior and Senior Leaving Exams:

R. W. Anglin, 82.25;
R. W. Asselstine, 78.75;
R. A. Barron, 82.25;
J. J. Bell, 91.00;
Janet Barr, 78.75;
E. Balmer, 73.50;
R. A. Bensley, 11.25;
J. S. Cameron, 81.38;
H. J. Clark, 73.50;
Margaret Cook, 84.00;
R. A. Croskery, 52.50;
D. K. Clark, 80.94;
A. W. Dunkley, 57.75;
Jas. Duff, 86.63;
J. N. Denyes, 84.00;
A. De Guerre, 77.88;
A. T. De Lury, 72.37;
J. Fletcher, 61.83;
J. W. Forbes, 81.38;
W. J. Fenton, 91.00;
W. B. Forbes, 84.00;
D. W. Gunn, 81.38;
Jas. Gill, 73.50;
D. A. Glassey, 67.38;
M. A. Harvey, 81.38;
E. Hempstridge, 78.75;
J. P. Hoag, 67.38;
T. J. Ivey, 73.50;
L. L. Jones, 86.19;
Wm. Kemp, 78.75;
C. Lehman, 73.50;
J. S. Lane, 80.94;
N. McDougall, 73.50;
S. B. McCready, 85.75;
M. A. Mackenzie, 52.32;
R. N. Merritt, 81.38;
A. M. Morrison, 86.63;
H. S. G. Macdonald, 78.75;
G. Malcolm, 78.75;
M. C. Mills, 86.19;
W. W. Nichol, 83.56;
W. H. Piersol, 87.50;
M. O'Brien, 86.05;
F. J. Reilly, 91.00;
W. B. Race, 76.13;
H. S. Robertson, 78.75;
F. J. Sawers, 91.00;
E. T. Seaton, 83.56;
L. C. Smith, 73.50;
E. A. Tesky, 91.00;
M. Trenaman, 84.00;
R. H. Walks, 70.00;
E. T. White, 81.38;
A. Weir, 84.00;
C. Auld, 82.25;
W. J. Alexander, 91.62;
P. W. Brown, 81.38;
H. W. Bryan, 91.00;
G. S. Bale, 86.63;
K. G. Ball, 78.75;
E. F. Burton, 18.50;
G. F. Colling, 167.13;
Norah Cleary, 78.75;
Elsie Carter, 78.75;
A. Cosens, 85.31;
J. L. Cornwall, 78.75;
E. E. Deroche, 73.94;
J. H. Dolan, 84.00;
J. Davidson, 83.56;
A. E. Day, 84.00;
J. N. Dales, 74.38;
W. A. Findlay, 84.00;
W. H. Fletcher, 73.50;
W. K. Foucar, 81.38;
R. G. Graham, 81.38;
A. H. Gibbard, 78.75;
R. W. Hedley, 82.25;
W. J. Hamilton, 73.50;
M. M. Hawkins, 63.00;
J. Houston, 70.00;
L. E. Horning, 60.75;
J. Jeffries, 79.63;
G. W. Keith, 82.25;
R. H. Knox, 82.69;
J. G. Little, 78.75;
A. McVicar, 84.00;
P. V. M. McNeilly, 73.50;
N. MacMurchy, 84.88;
W. S. W. McLay, 108.79;
J. W. Marshall, 84.00;
J. E. Macdonald, 78.75;
J. S. Martin, 78.75;
S. E. Marty, 86.19;
A. E. Marty, 84.00;
E. G. Powell, 83.56;
S. F. Passmore, 85.75;
W. Packenham, 66.75;
T. H. Redditt, 81.38.
G. D. Robertson, 83.56;
E. M. Sait, 84.00;
H. C. Simpson, 84.00;
J. H. Sexton, 73.50;
Prof. G. O. Smith, 70.00;
Emma J. Taylor, 78.75;
W. J. Twhoey, 85.75;
D. Whyte, 87.50;
W. J. Wright, 91.00;
A. Pride, 55.20;
H. O. E. Asman, 78.75;
F. B. Allen, 62.70;
A. W. Burt, 84.00;
W. N. Bell, 91.00;
A. M. Burnham, 86.63;
E. Bell, 83.56;
A. Carruthers, 35.90;
J. L. Cox, 81.38;
S. J. Courtice, 83.56;
J. O. Clothier, 86.19;
W. P. Cohoe, 84.00;
J. D. Christie, 70.00;
W. P. Dandy, 65.63;
P. C. Dobson, 91.00;
H. E. Downey, 78.75;
Wm. Donaldson, 84.00;
T. E. Elliott, 85.75;
J. A. Freeman, 84.00;
B. E. French, 78.75;
R. Gourlay, 83.56;
D. M. Grant, 84.00;
P. E. Graham, 52.50;
G. H. Hogarth, 82.25;
R. S. Hamilton, 70.88;
E. L. Hill, 87.50;
E. S. Hogarth, 79.63;
R. S. Jenkins, 6.00;
J. S. Jamieson, 78.75;
T. Kirkconnell, 81.38;
W. S. Kirkland, 84.00;
G. Lawler, 70.00;
H. G. McPherson, 84.88;
C. McKinnon, 78.75;
A. W. Massey, 82.25;
J. C. McLennan, 57.68;
A. E. Morrow, 91.00;
A. J. Meiklejohn, 78.75;
J. R. Montizambert, 83.56;
L. J. Macdougall, 86.19;
I. T. Norris, 83.56;
E. Pugsley, 73.50;
F. P. Riddell, 91.00;
J. E. Robertson, 47.22;
M. H. Rose, 78.75;
M. B. Reynor, 84.00;
R. Strothers, 84.00;
R. S. Strath, 83.56;
W. Smeaton, 73.50;
L. E. A. Stanley, 77.00;
W. F. Tamblyn, 86.19;
J. Voaden, 73.50;
N. J. Wellwood, 80.06;
J. E. Wetherell, 78.75;
P. Toews, 34.55 .. 12,686 55

EDUCATION.—*Continued.*

DEPARTMENTAL EXAMINATIONS.—*Continued.*

Sundry persons; Travelling Expenses as Examiners:

R. W. Anglin, 11.50; Chas. Auld, 6.70; R. W. Asselstine, 11.60;
H. O. E. Asman, 2.25; W. J. Alexander, 4.20; F. B. Allen, 2.70;
R. A. Bensley, 11.95; P. W. Brown, 9.05; A. W. Burt, 3.25;
R. A. Barron, 4.90; H. W. Bryan, 12.25; W. N. Bell, 3.85;
J. J. Bell, 8.70; G. S. Bale, .60; A. M. Burnham, 7.50;
Janet Barr, 11.25; K. G. Ball, 3.50; G. F. Colling, 12.45;
J. S. Cameron, 5.35; Norah Cleary, 11.00; S. J. Courtice, 7.60;
H. J. Clark, 6.75; Elsie Carter, 5.75; J. O. Clothier, 17.50;
Margaret Cook, 6.60; A. Cosens, 1.10; R. A. Croskery, 7.50;
J. L. Cornwall, 5.85; J. D. Christie, 5.60; D. K. Clark, 4.35;
E. E. Deroche, 2.20; A. W. Dunkley, 3.00; J. H. Dolan, 7.85;
P. C. Dobson, 5.10; Jas. Duff, 9.20; J. Davison, 2.50;
H. E. Downey, 5.75; J. N. Denyes, 1.95; A. E. Day, 6.25;
Wm. Donaldson, 8.20; A. De Guerre, 2.95; J. N. Dales, 9.70;
T. E. Elliott, 8.00; J. W. Forbes, 12.10; J. A. Freeman, 3.20;
W. J. Fenton, 1.10; W. H. Fletcher, .15; B. E. French, 3.85;
W. B. Forbes, 1.70; W. K. Foucar, 2.50; D. W. Gunn, 2.40;
R. G. Graham, 10.45; D. M. Grant, 8.50; Jas. Gill, 2.00;
A. H. Gibbard, 2.70; P. E. Graham, 4.35; D. A. Glassey, 3.00;
R. W. Hedley, 3.90; G. H. Hogarth, 2.20; M. A. Harvey, 6.60;
W. J. Hamilton, 7.85; R. S. Hamilton, 3.55; E. Hemstridge, 10.50;
M. M. Hawkins, 6.10; E. L. Hill, 2.50; J. P. Hoag, 3.25;
J. Houston, 6.20; E. S. Hogarth, 2.00; T. J. Ivey, 9.00;
J. Jeffries, 4.35; J. S. Jamieson, 15.35; L. L. Jones, 4.70;
G. W. Keith, 5.15; T. Kirkconnell, 4.00; Wm. Kemp, 7.35;
R. H. Knox, 11.80; J. G. Little, 8.55; J. S. Lane, 9.35;
A. McVicar, 6.20; H. G. McPherson, 12.70; N. McDougall, 7.00
P. V. M. McNeilly, 3.00; C. McKinnon, 6.20; S. B. McCready, 6.00;
N. MacMurchy, 3.20; A. W. Massey, 13.60; R. N. Merritt, 7.05;
J. W. Marshall, 11.50; A. E. Morrow, 12.90; A. M. Morrison, 4.70;
A. J. Meiklejohn, 2.25; J. S. Martin, 4.15; J. R. Montizambert, 13.10;
G. Malcolm, 5.75; S. E. Marty, 5.25; M. C. Mills, 3.75;
A. E. Marty, 13.60; I. T. Norris, 13.10; W. W. Nicoll, 5.00;
M. O'Brien, 20.55; E. G. Powell, 4.00; E. Pugsley, 5.45;
S. F. Passmore, 3.50; F. P. Riddell, 7.50; F. J. Reilly, 9.50;
T. H. Redditt, 3.80; M. H. Rose, 13.50; W. B. Race, 23.75;
G. D. Robertson, 5.25; M. B. Reynor, 7.85; H. S. Robertson 5.25;
R. Stothers, 13.60; F. J. Sawers, 4.00; E. T. Seaton, 3.00;
J. H. Sexton, 5.40; W. Smeaton, 4.35; L. C. Smith, 1.95;
E. A. Tesky, 11.50; Emma J. Taylor, 6.50; W. F. Tamblyn, 5.70;
Mabel Trenaman, 5.25; W. J. Twhoey, 8.85; J. Voaden, 4.85;
R. H. Walks, 2.20; D. Whyte, 6.50; N. J. Wellwood, 1.30;
E. T. White, 13.55; W. J. Wright, 3.00; J. E. Wetherell, 6.70
A. Weir, 3.85; A. Carruthers, 7.90; J. Fletcher, 17.25;
L. E. Horning, 6.45; W. S. W. McLay, 9.25; W. Packenham, 13.75;
J. C. Robertson, 15.25; A. Pride, 21.18; L. E. A. Stanley, 13.30; 964 33

District Certificate Examinations:—

Sundry persons services:—D. Chenay, 20.00; A. H. Fairchild, 41.13;
W. A. Graham, 40.69; T. N. Lewis, 40.25; E. McManus, 42.00;
R. W. Murray, 36.75; Wm. Macintosh, 40.00; J. H. Putman, 46.81;
S. Phillips, 30.00; J. B. Robinson, 42.00; W. W. Rutherford, 30.00;
D. Robb, 15.00; W. F. Sparks, 42.00; W. C. Shier, 49.88;
H. J. Strang, 40.00 .....
Travelling expenses:—A. H. Fairchild, 20.75; W. A. Graham, 16.70;
T. N. Lewis, 17.35; E. McManus, 7.25; Wm. Macintosh, 24.27;
J. H. Putman, 17.10; J. B. Robinson, 3.00; W. C. Shier, 6.50; H. J. Strang, 20.00 689 43

District Entrance Examinations:—

Sundry persons services:—M. E. Breen, 4.67; I. D. Bruels, 7.50;
W. M. Bradley, 18.50; A. M. Currie, 24.05; D. Chenay, 35.60;
Geo. Grant, 35.90; C. C. Grant, 23.55; J. Hemphill, 1.75;
L. K. Hannohoe, 9.00; E. Jones, 20.15; J. G. Lowe, 7.66;
J. M. McKinley, 24.16; J. B. McDougall, 37.03; P. F. McNaughton, 21.75;

EDUCATION.—*Continued.*

DEPARTMENTAL EXAMINATIONS.—*Continued.*

District Entrance Examinations:—

W. Macintosh, 6.00;	S. Phillips, 9.00;	D. Robb, 9.00;	
W. W. Rutherford, 9.00;	H. J. Strang, 9.00;	A. W. Smith, 12.33;	
Travelling expenses:—W. Mackintosh, 11.95;		S. Phillips, 9.10;	
D. Robb, 8.60;	W. W. Rutherford, 9.10;	H. J. Strang, 10.00;	374 35

Scholarship Examinations:—

Sundry persons services:—W. J. Alexander, 61.25;		F. B. Allan, 24.50;	
B. A. Bensley, 17.06;	E. F. Burton, 35.44;	A. Carruthers, 63.00;	
A. T. De Lury, 65.63;	J. Fletcher, 40.25;	L. E. Horning, 59.06;	
R. S. Jenkins, 71.75;	M. A. Mackenzie, 43.75;	W. S. W. McLay, 53.38;	
M. O'Brien, 31.50;	W. Packenham, 47.25;	J. C. Robertson, 26.25;	
P. Twhoey, 18.38.....			
Travelling expenses:—W. J. Alexander, 3.45; L. E. Horning, 5.45; J. C. Robertson, 13.50;			680 85

Ontario Normal College Examinations:—

G. W. Ballard, 32.00;	W. H. Ballard, 36.00;	I. J. Birchard, 20.00;	
J. W. Carter, 34.40;	W. Hardie, 25.00;	A. E. Jewett, 71.20;	
R. A. Little, 43.40;	C. A. Mayberry, 51.40;	A. Mowat, 56.40;	
S. Martin, 46.40;	T. Murray, 5.00;	H. S. McKellar, 26.50;	
H. G. Park, 56.40;	S. J. Radcliffe, 46.40;	G. F. Rogers, 31.80;	
J H. Smith, 32.00;	W. J. Sykes, 27.75;	O. J. Stevenson, 51.40;	
Travelling expenses:—W. H. Ballard, 2.49;		J. W. Carter, 3.20;	
W. Hardie, 15.70;	A. E. Jewett, 11.45;	R. A. Little, 7.10;	
C. A. Mayberry, 7.35;	A. Mowat, 29.95;	S. Martin, 10.10;	
H. S. McKellar, 12.65;	H. G. Park, 7.80;	S. J. Radcliffe, 7.20;	
G. F. Rogers, 9.25;	W. J. Sykes, 18.10;	O. J. Stevenson, 10.35;	846 14

Normal School, Toronto, Examinations:—

Sundry persons services:—H. H. Burgess, 15.00;		J. J. Craig, 15.00	
Isaac Day, 15.00;	D. Robb, 15.00;	J. R. Stewart, 15.00;	
Travelling expenses:—H. H. Burgess, 12.60;		J. J. Craig, 8.20;	
Isaac Day, 7.35;	D. Robb, 10.75;	J. R. Stewart, 10.15;	124 05

Normal School, Ottawa, Examinations:—

Sundry persons services:—A. Brown, 15.00;		J. Connally, 20.00;	
Sundry persons expenses:—A. Brown, 8.10;	J. Connally, 10.70;	D. Walker, 16.60;	
D. Walker, 20.00			90 40

Normal School London, Examinations:

Sundry persons services:—W. Atkin, 15.00;		D. Chenay, 15.00;	
D. D. Moshier, 15.00;		P. J. Thompson, 15.00;	
Sundry persons expenses:—W. Atkin, 4.00;		D. Chenay, 8.95;	
D. D. Moshier, 5.40;			78 35

Commercial Specialist Examinations:

Sundry persons, services: G. L. Johnston, 47.20; J. H. Packham, 45.40	
do expenses: S. K. Davidson, 8.20; G. L. Johnston, .45	101 25

Kindergarten Examinations:

Sundry persons, services: Eliza Bolton, 31.20; Louise Currie, 46.70	
A. C. Casselman, 10.00; S. A. Morgan, 46.70; Agnes Mackenzie, 31.20	
Eliza Bolton: Travelling expenses, 27.10	192 90

Model Schools Examinations, Bracebridge:

Services: Isaac Day, 16.00; D. J. Ferguson, 8.00; W. H. Stevens, 40.00	
W. H. Stevens: Travelling expenses, 8.60; The Thomas Co.: Stationery, 5.27	77 87

Model School Examinations, Rat Portage:

J. Ritchie: Services, 24.00; Travelling expenses, 14.00	38 00

Model School Examinations, Parry Sound:

Services: A. M. Currie, 20.00; Rev. Geo. Grant, 40.00; S. Phillips, 14.00	
Rev. Geo. Grant: Express charges, 1.18	75 18

EDUCATION.—*Continued.*

DEPARTMENTAL EXAMINATIONS.—*Continued.*

County Model Schools:
Services: A. McIntosh, 20.00; A. McMillan, 30.00; W. Scott, 20.00 .... 70 00

High School Entrance Examinations:
Services as Member of Board: T. A. Craig, 25.00; J. D. Dickson, 25.00 ....
I. M. Levan, 25.00 ....
Travelling expenses: T. A. Craig, 17.80; J. D. Dickson, 7.10; I. M. Levan, 7.63 .. 107 53

Revising Committee:
Services: A. Carruthers, 46.00; W. S. W. McLay, 44.00; M. O'Brien, 44.00 ....
Expenses: A. Carruthers, 16.15; W. S. W. McLay, 23.00; M. O'Brien, 13.10 .... 186 25

Biological Examinations:
B. A. Bensley: Collecting and preserving specimens, etc 85 55

Services, Revision of papers *re* suspected irregularities:
J. C. Robertson, 10.00; J. Fletcher, 10.00; A. Carruthers, 10.00 .... 30 00

Board of Examiners: Services as Member:
W. J. Alexander, 60.00; F. B. Allen, 60.00; B. A. Bensley, 60.00 ....
A. Carruthers, 60.00; A. T. DeLury, 60.00; J. Fletcher, 60.00 ....
L. E. Harning, 60.00; R. S. Jenkins, M. McKenzie, 60.00 ....
J. C. McLennan, 60.00; W. S. McLay, 60.00; M. O'Brien, 60.00 ....
W. Packenham, 60.00; J. C. Robertson, 60.00; P. Toews, 60.00 .... 900 00

Travelling Expenses *re* Meeting Board of Examiners:
W. Tytler, 3.25; W. H. Ballard, 3.00; J. Marshall, 13.50 .... 19 75

Revising Committee Board of Examiners:
Services: A. Carruthers, 3.00; W. S. W. McLay, 3.00; M. O'Brien, 3.00 ....
Travelling expenses: W. S. W. McLay, 6.00; M. O'Brien, 6.35 .... 21 35

Educational Council: Travelling expenses:
R. H. Cowley, 149.00; A. P. Knight, 134.00; D. Young, 37.10; F. C. Colbeck, 7.70 .. 327 80

Clerical Services:—

E. L.Alkney, 49.00;	C. W. Bishop, 207.00;	F. W. Broadfoot, 40.00;
H. C. Cook, 64.00;	S. R. Dalrymple, 35.00;	D. R. Gray, 46.33;
L. Gilchrist, 193.00;	C. D. Henderson, 79.00;	R. E. Hore, 79.17;
F. Hamlin, 34.00;	A. R. Lord, 34.00;	R. McIntyre, 29.00;
S. G. Mills, 39.00;	S. P. A. Phillips, 210.00;	G. A. Robertson, 118.50;
M. Rankin, 40.00;	Jos. Reid, 126.00;	Kathleen Rice, 54.00;
W. L. Spring, 106.00;	T. B. Stevenson, 35.00;	T. Speirs, 68.00
S. F. Fuller, 36.00 ..		

Travelling expenses:—

E. L. Alkney, 2.40;	C. W. Bishop, 6.80;	F. W. Broadfoot, 2.50;
H. C. Cook, 12.60;	S. R. Dalrymple, 4.00;	L. Gilchrist, 7.10;
C. D. Henderson, 5.50;	R. E. Hore, 2.90;	F. Hamlin, 3.35;
A. R. Lord, 5.40;	G. G. Mills, 4.00;	S. P. A. Phillips, 2.30;
G. A. Robertson, 8.70;	M. Rankin, 2.00;	Jos. Reid, 3.30;
Kathleen Rice, 6.70;	W. L. Spring, 7.20;	T. B. Stevenson, 6.00;
T. Spiers, 6.10; ..		1,820 85

Services as Ass't. Printer:—C. J. Atkinson, 171.00; L. F. Leadbetter, 108.00; R. Hawthorne, 3.00; 282 00
Services as Phone Boy:—H. F. Taylor, 30.00; W. Lemon, Jr., 6.00 .. 36 00
G. Thompson, messenger services, .50; T. Williamson, services as porter, 15.00.... 15 50
R. Gilpin, services as porter 15 00

Printer's Supplies:—

Beardmore Belting Co., 1.66;		Toronto Type Foundry Co., 31.07;
Fletcher Mf'g Co., 2.90;	Westman & Baker, 1.90;	T. Eaton Co., .20;
Lyman Bros. Co., 3.00;	W. A. Brock, 9.00;	Miller & Richard, 3.50;
Queen City Oil Co., .85 ..		54 08

EDUCATION.—*Continued.*

DEPARTMENTAL EXAMINATIONS.—*Continued.*

United Typewriter Co., typewriter, 85.00 ; Newsome Co., typewriter supplies, .75	85 75
Remington Typewriter Co., supplies, 2.60; Can. Typewriter Co., supplies, 4.25	6 85
Parsons Irons Co. rubber stamps, etc., 5.10; Grand & Toy., seals, .40	5 50
Brown Bros., sealing wax, 160.00; Wm. Briggs, books, 1.35;	161 35
Vannevar & Co., books, 1.95 ; R. Simpson Co., blank books, .80	2 75
J. & J. L. O'Malley, rent of tables, 4.80; Knickerbocker Ice Co., ice, 5.60	10 40
Toronto Electric Light Co., power for press, 13.62 ; Dom. Express Co., charges, 18.21	31 83
Can. Express Co., charges, 27.49; G. T. Railway, freight charges, .66	28 15
Toronto Railway Co., car tickets, 21.00; W. W. Jeffers, car tickets, 2.50	23 50
Cartage :—W. Stephens, .25 ; D. W. Wright, .75 ; J. Cobb, .25; Wm. Dunn, .25; G. Thompson, .50; C. M. Richardson, 3.95	5 95
Warwick Bros. & Rutter, printing and binding, 548.03; Riordon Paper Mills, paper, 9.32	557 35
Engravings :—National Electro Co., 1.00 ; Rolph, Smith Co., .63	1 63
L. K. Cameron, stationery, 794.90 ; paper, 177.04 ; W. McMaster, postage, 300.00	1,271 94
Advertising:—Educational Pub. Co., 13.00; University Co., 16.00; Queen's Quarterly, 5.00	34 00

NORMAL AND MODEL SCHOOLS, TORONTO.

SALARIES ($25,752.64.)

Wm. Scott,	Twelve months' salary as	Principal	2,500 00
W. H. Elliott,	do	Vice-Principal	2,000 00
A. C. Casselman,	do	Drawing Master	1,000 00
Eugene Masson,	do	French do	300 00
A. T. Cringan,	do	Music do	1,000 00
James H. Wilkinson,	do	Instructor Manual Training	1,100 00
Meta M. D. Macbeth, Four	do	Pianist	50 00
D. Borland, Twelve	do	Drill and Gymnastic Master	200 00
Emma Macbeth,	do	Instructor in Domestic Science	500 00
Angus McIntosh,	do	Head Master Boys' Model School	1,650 00
R. W. Murray,	do	First Assistant do do	1,200 00
T. M Porter,	do	Second do do do	1,200 00
M. A. Sorsoliel,	do	Third do do do	1,000 00
Jean Wood, Three	do	Fourth do do do	211 00
F. M. Taylor, Nine	do	do do do do	613 00
M. Meehan, Twelve	do	Head Mistress Girls' Model School	1,000 00
May K. Caulfield,	do	First Assistant do do	850 00
Jean Wood, Five	do	Second do do do	355 00
A. E. G. Wilson, Twelve	do	do do do do	850 00
F. M .Taylor, Three	do	Third do do do	187 00
M. H. Merritt, Four	do	do do do do	216 64
A. F. Laven, Twelve	do	Fourth do do do	700 00
A. F. Laven, arrears for 1903			25 00
Jean Somers,	Twelve months' salary as	Instructor Calisthenics	500 00
N. A. Ewing,	do	do Household Science	600 00
Mary MacIntyre,	do	Director of Kindergarten	1,000 00
Ellen Cody,	do	Assistant Director of Kindergarten	600 00
Geo. Vair,	do	Head Gardener	600 00
J. Boasi,	do	Assistant do	450 00
P. Gafney,	do	First Engineer	750 00
Thos. Mannell,	do	Second do	500 00
Jno. Moore,	do	Laborer	450 00
R. Gilpin,	do	Janitor Normal School	510 00
Thos. Williamson,	do	do Boys' Model School	450 00
Bella Simpson,	do	Janitress Girls' do do	360 00
E. Knox,	Eleven do	Janitress Normal School	275 00

EDUCATION.—*Continued.*

NORMAL AND MODEL SCHOOLS, TORONTO.—*Continued.*

EXPENSES ($3,018.50).

Warwick Bros. & Rutter, printing and binding, 92.91; Rolph, Smith & Co., stamping, 4.38; 97 29
L. K. Cameron, paper 43.26; stationery, 182.08; Riordon Paper Mills, paper .44.... 225 78
C. Tarling & Co., paper, 10.00; Brown Bros., paper and stationery, 8.90 ..... 18 90
Hart & Riddell, embossing, 3.75; Mm. McMaster, postage stamps, 50.00..... 53 75
Wm. Briggs, books, 101,36; Wm. Tyrrell & Co., books, 1.49 ..... 102 84
W J Gage & Co., books, 263.02; W. H. Evans, blank book .20..... 263 22
T. Eaton Co., note books, 10.74; Copp, Clark & Co., school supplies, blank books, etc., 254.43 ..... 265 17
Central Electric School Supply Co., supplies, 7.60; J. Curwin & Sons, musical compositions, 4.12 ..... 11 72
Galbraith Photo Co., photo supplies, 3.90; Wm. Tyrrell & Co., art pictures, 18.19.... 22 09
Mackenzie & Co., framing pictures, etc., 118.75; Map & School Supply Co., apparatus, 89.80 ..... 208 55
Consolidated Electric Co., apparatus, 1.00; Chandler & Massey, microscope, 163.35.. 164 35
C. Potter, microscopes, 240.00; W. Lloyd Wood, chemicals, 6.50 ..... 246 50
Steinberger Hendry Co., School supplies, 120.89; A. McIntosh, ribbon for diplomas, etc., 4.15 ..... 125 04
R. K. Sproule, 100 copies "Sons of the Empire," 75.00; Mason & Risch, rent of organ, 16.00 ..... 91 00
J. A. Simmers, holly wreaths for Christmas decoration 3 00

Sundry persons services as Substitute Teachers:—
C. Ross, 4.00; Edith J. Brown 5.00; Ellen Henderson, 2.00; E. J. Cameron, 30.00.. 41 00
H. F. Taylor, services as phone bay, 30.00; F. Morse, services as janitor, 12.75 ..... 42 75
Meta M. D. Macbeth, services as pianist at 150.00 per annum 91 00
Ethel E. Dever, services as pianist *re* closing and At Home, 8.00; Mabel A. Mills, services as pianist, 3.00 ..... 11 00
Mrs. E. Scott Raffe, lecturing on reading and elocution, 50.00; F. Yeigh, services and expenses lecturing, 25.50 ..... 75 50
Dr. Wm. Oldright, lectures on Hygiene, 200.00; Lt. Col. Galloway, expenses *re* target practice, 11.06..... 211 06
Alliance Insurance Co., premium on arms, etc., loaned by Dominion Government to Cadet Corps 6 40
A. McIntosh, grant to games, 45.00; expenses funeral of Miss Wood (Teacher), 11.00.. 56 00
Toronto Railway Co., car tickets, 4.00; Doane Bros., cab hire, 2.50 ..... 6 50
D. W. Wright, cartage 2 40
Advertising:—University Co., 4.00; Queen's Quarterly, 2.00; Globe Pub. Co., 2.70; Educational Pub. Co., 2.00; Mail Pub. Co., 2.70; Toronto World, 2.25 ..... 15 65

Manual Training:—
Wm. Briggs, books, 32.00; Vokes Hardware Co., hardware, .70;
Aikenhead Hardware Co., hardware, 34.58; J. B. Smith & Sons, lumber, 182.70;
Alf. Covell, carpentering, 10.80; F. Lash, altering benches, 5.25;
T. Eaton Co., needles, 1.00; E. Harris Co., modelling clay, 6.00;
Consodidated Electric Co., supplies, 9.47; Steinberger Hendry Co., supplies, 2.97;
A. R. Williams Machinery Co., shafting, etc., 24.65; E. Carroll, grinding tools, .50
G. Rathbone, blackboard, 9.95; G. McFariane, ladder, 4.50;
G. Pearsall, varnish, .80; Canadian Electric Co., adjusting, .60;
E. A. Goodman, vaseline, .10; Grand & Toy, tags, .40;
Yorkville Laundry Co., laundrying, .78; C. M. Richardson, cartage, 3.50;
Galbraith Photo Co., photo album of plates, 1.55 ..... 332 80

Domestic Science:—
Kate Ellis, services as substitute teacher, 12.00; Jno. Watson gas stoves, 27.75;
Jno. Wannamaker, spoons, 2.86; Fletcher Mfg. Co., measures, 2.70;
Wm. Junor, salt and pepper holders, 3.75; C. A. Dunning, meat, 6.23;
Alex. Bryce, milk, 2.46; H. Tolchard, groceries, 18.09;
T. Eaton Co., sewing supplies, 85.08; Web Young, laundrying, .80;
Yorkville Laundry, laundrying, 8.81; Standard Laundry, laundrying, 2.06;
M. A. Ewing, refund duty, 58; G. T. Railway, freight charges, 1.09;
C. P. Railway, freight charges, 2.29 ..... 176 55

EDUCATION.—*Continued.*

NORMAL AND MODEL SCHOOLS, TORONTO.—*Continued.*

EXPENSES.—*Continued.*

Kindergarten Department:—
Steinberger, Hendry Co., supplies, 23.53; J. Davis & Sons, clay, 1.00;
Wm. Rennie, seeds, 1.60; J. A. Simmers, peas, 4.00;
Jos. Dean, bird cage, seed, etc., 4.90; Ryrie Bros., invitations, 7.75;
J. H. Dunlop, flowers for closing exercises, 5.00; E. Cody, sundries, 2.91; 50 69

NORMAL AND MODEL SCHOOLS, OTTTAWA.

SALARIES ($22,001.82).

J. F. White:	Twelve months'	salary as	Principal	2,350 00
S. B. Sinclair	do		Vice-Principal	2,000 00
J. A. Dobbie	do		Drawing Master	1,000 00
T. A. Brown	do		Music Master	1,000 00
J. Fleury	do		French Master	600 00
F. A. Jones..	do		Drill Instructor	150 00
do	Arrears for 1903			50 00
J. H. Putman:	Twelve months'	salary as	Head Master Boys' Model School	1,550 00
J. F. Sullivan	do		First Assistant do	1,200 00
F. A. Jones	do		Second do do	1,100 00
E. H. Weir	Four do		Third do do	216 66
M. H. Merritt	Eight do		do do do	434 00
M. E. Butterworth,	Twelve do		Head Mistress Girls' do	1,000 00
F. Hannington	Nine do		First Assistant do	237 00
A. G. Hanahoe	Twelve do		do do do	700 00
J. Foster	do		Second do do	650 00
M. Cannem	Eight do		Third do do	400 00
Jennie Hilliard	Three do		do do do	162 50
E. H. Keyes	Twelve do		Instructor in Calisthenics	750 00
B. Livingstone	do		do Domestic Science	600 00
J. S. Harterre	do		do Manual Training	1,000 00
Eliza Bolton	do		Director of Kindergarten	1,000 00
Jessie Stocks	Ten do		Assistant Director of Kindergarten	500 00
A. H. Baker	Two do		do do do	91 66
A. Heeney	Twelve do		First Engineer and Gardener	650 00
Jas. Mooney	do		Second do	500 00
Thos. Bingham	do		Laborer	400 00
O. Macdonald	do		Janitor Normal School Buildings	1,260 00
E. Murphy	do		Night Watchman	450 00

EXPENSES ($2,631.45).

Warwick Bros. & Rutter, printing and binding, 43.03; Rolph Smith & Co., stamping, 13.38 56 41
Jas. Hope & Sons, stationery, 161.70; school books, 544.21; postage stamps, 33.00 738 91
Wm. McMaster, postage stamps, 50.00; L. K. Cameron, paper, 7.06; stationery, 157.65 214 71
Books:—
C. E. Lauriat & Co., 2.00; Wm. Tyrrell & Co., 50.29; Morang & Co., 27.64;
G. Buskin, .50; Wm. Briggs, 104.19; J. R. Long, 2.00; A. & C. Black, 2.31;
Whitcomb Barrows & Co. .83; Copp Clark Co., 4.89; Canada Pub. Co., 4.50 199 15
Might's Directories, directory, 4.00; B. Nicholson, 2 copies French Canadien, 6.25 10 25
A. H. Jarvis, subscription to magazines, 48.38; sundry newspapers subscriptions 37.20 85 58
J. L. Orme, musical compositions, 28.08; J. Ogilvy, pictures, 50 28 58
Carbon Studio, photo Hon. G. W. Ross, 3.00; Chandler & Massey, microscope, 29.45 32 45
Steinberger Hendry Co. charts, 8.00; Map and School Supply Co., supplies, 1.03 9 03
Smith Premier Typewriter Co., copying, 4.00; T. A. Brown, services cataloguing library 100.00 104 00
Services as Substitute Teachers:—
M. Woodburn, 10.00; Ethel Rowan, 8.00; Arthur Dorey, 75.00; L. Haviland, 7.00 100 00
J. White, removal Toronto to Ottawa, 96.95; grant towards games, 35.00 131 95
University Ottawa, use of oval for games 5 00
W. C. Edwards, lumber .75; W. T. Esdale, glue, etc., 1.10 1 85
Bryson, Graham & Co., washing soda, .20; W. B. Macdonald, slides, covers, etc., .90 1.10
Geo. May & Son, rubber bumpers, 1.17; Garrioch Godard & Co. battery zinc, .50 1 67

EDUCATION.—*Continued.*

NORMAL AND MODEL SCHOOLS, OTTAWA.—*Continued.*

EXPENSES.—*Continued.*

Ottawa Drug Co., chamois skins, 1.25; J. A. Musgrove, chloride of lime, .75	2 00
C. Ross, ribbon, .70; Ottawa Electric Railway Co., car fares, 16.36	17 06
American Express Co., charges, 1.75; Dominion Express Co., charges 14.75	16 50
Canadian Express Co., charges, 6.93; C. P. Railway, freight charges, 5.55	12 48
Can. Atlantic Railway, freight charges, 2.64; C. P. R. Telegraph telegrams, 6.18	8 82
G. N. W. Telegraph, telegrams, 1.67; J. F. White, sundries, 2.28	3 95
Advertising:—Ottawa Citizen, 2.70; Queen's University, Jl., 1.00	
Varsity, 1.00; University Co., 3.00; Ottawa Free Press 2.00; Ottawa Journal, 2.00	11 70
Manual Training:—	
Jas. Hope & Sons, stationery, 133.55; Bryson Graham Co., baskets, whisks, etc., 3.80. Butterworth & C., hardware etc., 8.84; Steinberger Hendry Co., tools, etc., 44.60 J. P. & F. W. Edmonds, willow reed, etc., 44.05; W. C. Edwards & Co., lumber, 90.85 H. Bushe, grinding tools 4.07; Ottawa Electric Co., energy for teaching, 8.08	
Wm. Briggs, books, 31.99; C. Guillet, drawing models, etc., 4.25	374 03
Domestic Science:—	
Lucy Cumming, services assistant teacher Domestic Science @ 500.00; per annum, 93.75	
Jas. Hope & Sons, paper, stationery, etc. 29.70; Home Science Pub. Co., books, 21.37 Federal Engraving Co., invitation cards, 4.25; Christine Estate, ice, 2.00; Supplies:—C. Ross Co., 60.78; W. H. Nicolls, 6.05; J I. McQuarrie, 12.06; S. W. Lee, 67.47; Bryson, Graham & Co., 23.12; B. Slattery, 1.52; G. Matthews Co., 1.79	
Library Bureau, table tops, 4.75; Butterworth & Co., altering burners, 5.25; Sisters of Our Lady of Charity, washing curtains, 5.72; Pykes Steam Laundry, washing towels, 6.61	346 19
Kindergarten:—	
C. Guillet tables, 4.20; Steinberger Hendry Co., supplies, 113.58	
W. J. Henry, fish food, .25	118 03

NORMAL AND MODEL SCHOOLS, OTTAWA.

MAINTENANCE ($6,650.90).

Ottawa Gas Co., light, 189.73; Auer lights, etc., 6.00	195 73
Water Works Dep't, water, 610.77; Ottawa Electric Co., power, 3.15; light, 3.40	617 32
C. C. Ray, 100 tons egg coal @ 6.50, 650.00; 300 tons egg coal @ 7.10, 2,130.00; 1 ton nut and blacksmithing coal, 7.00; 1 load kindling wood, 1.75 Time of men and horses removing snow, 2.00	2,790 75
J. Henry & Sons, 30 cords hardwood @ 5.95, 178.50; 30 cords soft wood @ 2.90, 87.00	265 50
Butterworth & Co. hardware, etc., 90.13; castings, 149.21; steamfitting, 3.67	243 01
Jas. White, hardware, glass, etc., 52.12; Graves Bros, nails, .40	52 52
Bryson Graham & Co., paint, cleaning supplies, etc., 14.94; W. C. Edwards & Co., lumber, 9.02	23 96
Davidson & Thackray, lumber for rink, etc. 16.14; Stephens Bros., paint, floor oil, etc., 6.91	23 05
Alfred Brown, oiling floors 5.35; O'Reilly & Murphy, insulating wires, 1.00	6 35
J. J. Murphy, plumbing, etc., 11.55; roofing boiler room with galvanized iron, 79.41 repairing roofs, 246.56; clearing snow from roof, 58.50	396 02
M. Jolicoeur, carpentering, etc., 7.40; G. Burns carpentering, 8.13	15 53
J. Tobin, carpentering, 12.50; Isaac Foster, carpentering, lumber, etc., 14.92	27 42
F. Smith, painting, glass etc., 423.30; bricklaying, 48.00	471 30
W. S. Howe, decorating, painting, reglazing, etc.,	374 75
Power Bros., covering part of boilers 45.00; J. McLaughlin, plastering, 81.93	126 98
Christie & McCready, repairing ceiling, 3.60; W. R. Clarey plastering, 14.85	18 45
J. & C. Low, repairing cupboard, 3.57; Knox Bros., bal contract skylight and ceiling, 190.00	193 57
Chandler & Co., fitting up gas fixtures 7.75; C. Nelson, repairing benches, 7.56; hanging pictures, 4.20	19 51
D. Storey lounge, 14.25; C. Ross & Co., linoleum, window shades, etc., 5.17	19 42
Harris, Campbell & Boyden Furniture Co., repairing furniture	55 00
Library Bureau of Canada, repairing desk and kindergarten tables	91 00

EDUCATION.—*Continued.*

NORMAL AND MODEL SCHOOLS, OTTAWA.—*Continued.*

MAINTENANCE.—*Continued.*

W. J. Ellard, ice rufler, 1.50; J. L. Orme, repairing and tuning, piano and organ, 34.25	35 75
Jno. Wilson & Co., framing and hanging pictures, 9.75; F. Jarman, engravings and framing, 23.95	33 70
Mackenzie & Co., oleographs, engravings, framing, etc., 59.00; picture Queen Victoria, 10.00	69 00
Thos. Smith, care of clocks, 120.00; J. F. White, sundries .15	120 15
Graham Bros., plants, bulbs, etc., 60.61; Leon Sabourin, cedar trees, 1.00	61 61
C. Scrim, plants, etc. 69.05; Tho. Nicholson, cutting grass, 58.50	127 55
Jas. Codd, rolling lawn, 2.00; A. C. Marshall, gravel, 6.75	8 75
Jos. Boulay, sand .75; Thos. Mooney, services as acting gardener @ 1.25 per day, 41.25	42 00
Jas. Mooney, carting ashes, 60.75; Capital Transfer Co., cartage, 1.00	61 75
Good Shepherd Laundry, washing curtains, 2.00; Mrs. A. Cameron, cleaning, 5.30	7 30
Mrs. Dube, cleaning, 2.00; M. J. Quinn, travelling expenses, 20.80	22 80
M. McBrearty, travelling expenses 17.35; H. E. Moore, travelling expenses, 16.05	33 40

NORMAL AND MODEL SCHOOLS LONDON.

SALARIES —($8,500.00).

F. W. Merchant,	Twelve months' salary as	Principal	2,500 00
Jno. Dearness,	do	Vice-Principal	1,950 00
S. K. Davidson,	do	Drawing and Writing Master	250 00
F. L. Evans,	do	Music Master	250 00
Geo. McLaren,	do	Physical Instructor	150 00
Agnes Mackenzie,	do	Kindergarten Teacher	100 00
Sugden Pickles,	do	Instructor Manual Training	1,000 00
Ada Butchart,	do	do Household Science	350 00
Nelie Heffernan,	do	Stenographer	450 00
Andrew Templeton,	do	Engineer	600 00
W. C. Robertson,	do	Caretaker	400 00
Wm. Casey,	do	Gardener	500 00

EXPENSES.—($3,094.78.)

Warwick Bros. & Rutter, printing and binding,	26 67
L. K. Cameron, paper, 2.50; stationery, 5.84; London, Advertiser, printing and stationery, 47.50	55 84
Reid Bros. & Co., stationery, 16.80; paper, 2.50; J. Mills, stationery, 10.65	29 95
Wm. Weldon & Co., binding, 58.20; J. G. Foster, directory, 3.00	61 20
Books:—C. E. Lauriat & Co., 1.25; Wm. Briggs, 162.77; Wm. Tyrrell & Co., 52.34; J. R. Long, 2.00; A. C. Black, 2.31; Morang & Co., 3.50; J. Mills, 19.70 B. Nicholson, 3.00	246 87
Jno. Mills, subscriptions to magazines, 129.29; Silver Burdette Co., music charts, 9.09	138 38
J. H. Black, photo material 14.90; Jas. J. Anderson, slates, 4.00	18 90
McClary Mfg. Co., book rests, 5.00; United Factories, whisks, .95	5 95
Map and School Supply Co., apparatus, 9.30; Electrical Construction Co. apparatus, 4.70	14 00
Can. Electric Supply Co., apparatus, 5.70; J. Purdom, battery boxes, 10.65	16 35
Chas. Potter, gas intanks, 10.80; Johnston Service Co., Thermostat Movement, etc., 11.20	22 00
Steinberger Hendry Co., modelling clay, 28.70; J. Gammage & Son, raffia, .50	29 20
Anderson & Nelles, chemicals, etc., 206.49; Dom. Calcium Light Co. lines, 1.00	207 49
United Typewriter Co., supplies and cleaning, 23.50; Dr. C. C. T. Campbell, lecturing 1903-4, 100.00	123 50
E.S.Williamson, lecture and expenses, 30.00; Wm. Gurd & Co. basket ball outfit, 4.00	34 00
Secy. Bd. Education, London, grant providing Pub. School for Practical teaching to students	1,500 00
Bell Telephone Co., messages 1.85; C. P. R. Telegraph, telegrams, .25	2 10
G. N. W. Telegraph Co. telegrams, .25; American Express Co., charges, 1.60	1 85
Canadian Express Co., charges, 6.45; Dominion Express Co., charges, 9.10	15 55

EDUCATION.—*Continued.*

NORMAL AND MODEL SCHOOLS, LONDON.—*Continued.*

EXPENSES.—*Continued.*

C. P. Railway, freight charges 5.19; G. T. Railway, freight charges, 2.33 ..... 7 52
City Parcel Express, cartage, .35; J. Whitbread, cartage, 1.50 ..... 1 85
University Co., advertising, 3.00 ..... 3 00

Domestic Science:—
Harry Ranahan, supplies, 64.02; C. H. Bayley, supplies, 16.33 .....
O. B. Graves, cards, 5.00 ..... 85 38

Manual Training:—
Purdom, Gillespie Hardware Co., belting, hardware, etc. 79.42 .....
A. R. Williams, lathe, drills, etc., 139.40; D. McKenzie, emery grinder, 19.50;
Steinberger, Hendry Co., tools, supplies, etc., 50.00; Dodge Mfg. Co., pulleys, fixtures, etc., 27.93. .....
London Machine Tool Co., blacksmith work, 2.00; Wm. Gerry, lumber, 84.02;
Sugden Pickles to pay expenses exhibit Manual Training work, 7.97 .....
Wm. Briggs, books, 31.99; O. B. Graves, cards, 5.00; 447 23

NORMAL AND MODEL SCHOOLS, LONDON, MAINTENANCE ($2,554.87)

London Electric Co., light current, 88.72; power current, 60.00 ..... 148 72
Water Works Commissioners, water, 199.20; City Gas Co., gas, 16.30 ..... 215 50
Webster & Kernohan, 178.50 tons egg coal c 6.70, 1,192.77; 3 cords slabs, 15.00 ..... 1,207 77
Purdom, Gillespie Co., varnish, oil, etc., 23.08; Westland Bros., glass, 2.00 ..... 25 08
Beresford Oil Co., metal polish, 3.00; McKenzie & Co., picture Queen Victoria, 10.00 ..... 13 00
Canada Electric School Supply Co., gong, 7.70; T. Gilligan, repairing clocks, 2.00 ..... 9 70
Edy Bros, framing pictures, 10.00; Forest City Carpet Cleaning Works, cleaning carpets, 13.44 ..... 23 44
O. B. Graves, frames, 38.50; Jno. Purdom, taking off and storing storm sash, 18.20 ..... 56 70
G. Durham, work on grounds, @ 1.50 per day, 82.50; W. A. Brock, repairing lawn mower, 1.80 ..... 84 30
Dennis Iron & Wire Co., repairing lawn mower, 2.10; J. Gammage & Son, bulbs, 26.97. 29 07
Asylum for Insane, London, plants, 183.35; McArthur Bros., fertilizer, 4.00 ..... 187 35
H. L. Atkinson, floor brushes, 5.00; M. Masuret & Co., soap, 12.00; United Factories, dusters, 3.80 ..... 20 80
Mrs. Sarah Perry, services cleaning, 391.88; washing towels, 39.36 ..... 431 24
W. J. T. Berry, cleaning windows, 60.00; Mrs. Macfie, cleaning windows, 5.00 ..... 65 00
S. Gregory, carting ashes, 3.00; Perry Norris, carting ashes, 24.00 ..... 27 00
M. McBrearty, travelling expenses inspection of boilers 10 20

HIGH SCHOOLS AND COLLEGIATE INSTITUTES ($115,719.40).

J. E. Hodgson, Twelve months' salary as Inspector 2750 00
do Travelling expenses 440 00
Jno. Seath Twelve months' salary as Inspector 2,750 00
do Travelling expenses 540 05
do extra services *re* revision regulations and new course of study 250 00
H. F. Taylor, services as phone boy 5 00

Treasurer Board High Schools and Collegiate Institutes:—
Alexandria, 637.54; Almonte, 704.88; Arnprior, 601.04; Aurora, 616.16;
Athens, 686.13; Arthur, 613.41; Aylmer, 886.03; Beamsville, 472.95;
Belleville, 811.76; Berlin, 994.84; Bowmanville, 776.75; Bradford, 557.66;
Brantford, 1,262.84; Barrie, 1,071.59; Brockville, 1,148.36; Brampton, 845.91;
Brighton, 468.93; Caledonia, 572.34; Campbellford, 665.58; Cayuga, 566.91;
Carleton Place, 684.53; Colborne, 459.98; Cornwall, 841.27; Chatham, 1,266.65;
Clinton, 942.10; Cobourg, 996.06; Collingwood, 942.26; Deseronto, 629.98;
Dundas, 646.66; Dunnville, 662.19; Dutton, 604.52; Elora, 542.80;
East Toronto, 412.78; Essex, 687.03; Fort William, 684.82; Fergus, 570.14;
Forest, 617.33; Galt, 1,211.25; Gananoque, 669.52; Grimsby, 433.71;
Georgetown, 601.20; Glencoe, 597.25; Gravenhurst, 488.73; Goderich, 1,035.88;

EDUCATION.—*Continued.*

HIGH SCHOOLS AND COLLEGIATE INSTITUTES.—*Continued.*

Treasurer Board High Schools and Collegiate Institutes:—

Guelph, 1,148.08; Harriston, 606.86; Hawkesbury, 589.50; Hagarsville, 619.02; Hamilton, 1,341.16; Iroquois, 712.35; Ingersoll, 1,010.35; Kingston, 1,249.02; Kemptville, 744.34; Kincardine, 737.92; Lindsay, 1,185.61; Listowel, 666.36; Lucan, 654.24; Leamington, 709.52; London, 1,368.70; Madoc, 563.26; Markham, 681.47; Mitchell, 635.03; Mt. Forest, 715.02; Meaford, 814.22; Morrisburg, 1,014.22; Newburgh, 537.93; Newcastle, 475.33; Napanee, 1,081.42; Niagara Falls, 1,120.57; Niagara Falls S. 582.56; Niagara, 432.27; Newmarket, 637.01; Norwood, 580.51; North Bay, 504.80; Oakville, 544.97; Omemee, 453.05; Orangeville, 793.83; Oshawa, 761.35; Orillia, 1,085.36; Ottawa, 1,321.88; Owen Sound, 1,217.93; Paris, 624.40; Parkhill, 587.18; Pembroke, 714.50; Petrolea, 735.93; Picton, 841.12; Perth, 924.51; Peterboro, 1.247.62; Prescott, 599.40; Port Arthur, 593.16; Port Dover, 448.31; Port Elgin, 572.23 Port Hope, 855.88; Port Perry, 634.55; Port Rowan, 425.78; Renfrew, 872.26; Richmond Hill, 515.91; Rat Portage, 494.00; Ridgetown, 975.39; Simcoe, 778.33; Smith's Falls, 681.16; Smithville, 509.48; Streetsville, 445.22; Sydenham, 565.04; Stirling, 515.46; Sarnia, 1,232.51; Seaforth, 962.75; Stratford, 1,209.46; Strathroy, 958.14; Sault Ste Marie, 526.25; St. Catharines, 1,239.62; St. Mary's, 930.04 St. Thomas, 1,311.27; Toronto (Jarvis st.) 1,295.16; Toronto (Harboard) 1,330.95; Toronto (Jamieson Ave.) 1,289.20; Toronto Junction, 1,055.07; Thorold, 551.53; Trenton, 648.54; Tilsonburg, 616.48; Uxbridge, 627.09; Vienna, 440.73; Vankleek Hill, 895.94; Whitby, 817.97; Walkerton, 746.19; Wardsville, 438.46; Waterdown, 499.29; Welland, 682.98; Weston, 525.67; Williamstown, 612.97; Windsor, 1,278.59; Woodstock, 1,197.60; Watford, 671.37; Wiarton, 599.86; Waterford, 605.52 ..... 103,841 29

Special Grants. Treasurer High School Board:—
Fort William, 484.82; Gravenhurst, 488.73; North Bay, 504.80.....
Port Arthur, 593.16; Rat Portage, 494.00; Sault Ste Marie, 526.25..... 3,091 76

Military Instruction. Treasurer Board High Schools and Collegiate Institutes.....
Arthur, 50.00; Barrie, 50.00; Brantford, 50.00; Chatham, 50.00; Cobourg, 50.00; Collingwood, 50.00; Dundas, 50.00; Dunnville, 50.00; Guelph, 50.00; Galt, 50.00; Hamilton, 50.00; Lindsay, 50.00; Mt. Forest, 50.00; Morrisburg, 50.00; Norwood, 50.00; Napanee, 50.00; Niagara Falls, 50.00; Orillia, 50.00; Ottawa, 50.00; arrears 1903, 50.00; Owen Sound, 50.00; Port Perry, 50.00; Peterboro, 50.00; Seaforth, 50.00; Sarnia, 50.00; St. Thomas, 50.00;; St. Catharines, 50.00; Toronto (Jarvis) 50.00; Toronto (Harboard) 50.00; Toronto (Jamieson) 50.00; Uxbridge, 50.00; Woodstock, 60.00; Vankleek Hill, 50.00 ..... 1,650 00

Warwick Bros. & Rutter, printing and binding, 59.53; Grip P't'g Co., embossing, .78;.... 60 31
L. K. Cameron, stationery, 54.34; paper, 6.89; Copp, Clark Co., certificates, 100.00.... 161 23
Brown Bros., mailing tubes, 6.75; A. T. DeLury, refund *re* High School Text books, 4.76 11 51
Wm. McMaster, postage stamps, 138.00; D. W. Wright, cartage, .25..... 138 25
Advertising:—University Co., 11.00; Queen's University Journal, 3.00; Varsity, 5.00; Educational Publishing Co., 9.00; Queen's Quarterly, 2.00..... 30 00

ONTARIO NORMAL COLLEGE.

SALARIES ($5,125.00).

J. A. McLellan:	Twelve months' salary as	Principal	3,000 00
R. A. Thompson,	do	Vice-Principal.....	500 00
E. M. McPherson,	do	Clerk	250 00
Wm. Bailey,	do	Instructor Manual Training.....	1,000 00
M. C. Macpherson,	do	do Household Science	375 00

EXPENSES ($7,452.90).

Warwick Bros. & Rutter: Printing & binding, 88.75; Riordon Paper Mills: Paper, 22.05 110 80
L. K. Cameron, paper, 3.97; stationery, 16.00; J. G. Cloke, etc., stationery, etc., 60.20.. 82 17
R. Duncan & Co., examination paper, 33.75; Wm. McMaster, postage, 50.00..... 83 75
Books:—G. N. Morang & Co., 23.50; J. G. Cloke, 16.10; J. R. Long, 2.00 ..... 41 60
Wm Tyrrell & Co.: Periodicals, 15.85; H. Vernon: Hamilton directory, 2.50 .. 18 35

EDUCATION.—*Continued.*

ONTARIO NORMAL COLLEGE.—*Continued.*

EXPENSES.—*Continued.*

Services lecturing to students:—
W. S. Milner, 50.00; J. B. Turner, 71.67; J. T. Crawford, 71.67; W. M. Logan, 71.67; E. T. Hogarth, 71.67; F. F. Macpherson, 171.67; A. Patterson, 71.67; J. Gill, 71.66; S. A. Morgan, 71.66; G. L. Johnston, 71.66 ..... 795 00
Secretary Board of Education, Hamilton: Grant 4,500 00
Treasurer Ontario Normal College Literary Society: Grant 25 00
do Women's Athletic Association: Grant 24 00
Dominion Express Co.: Charges, 2.70; Canadian Express Co.: Charges, .90 ..... 3 60
Advertising:—Queen's Quarterly Pub. Com., 3.00 Queen's University Jl., 1.00; Educational Pub. Co., 8.00; University Co., 4.00 ..... 16 00
Manual Training:—
Aikenhead Hardware Co.: Tools, equipment, etc., 944.79; A. R. Williams Machinery Co.: Machinery, 296.19; Wood, Vallance & Co.: Appliances, 208.80; Elec. Supply Co.: electric supplies, 50.34; Burton, Baldwin Mfg. Co.: Saw horses, specimens of wood etc., 5.68; W. Halliday: motor stand, 6.50; Hamilton Gas Light Co.: gas, 11.80; W. Bailey: refund express and freight charges, 12.91 ..... 1,537 91
Domestic Science:—
Hamilton Gas Light Co.: Gas for cooking, 21.10; F. Hamilton Co.: Cooking utensils, 5.52; W. H. Nichols: Supplies, 44.61; Jas. J. McQuarrie: Supplies, 134.44; Knox & Junor: Chinaware, 3.65; J. G. Cloke: Marking set and paper, 2.10; Parisian Laundry Co.: Laundry, 4.20 ..... 215 62

DEPARTMENTAL LIBRARY AND MUSEUM.

SALARIES ($4,457.00).

J. Geo. Hodgins: Twelve months' salary as Librarian and Historiographer 2,000 00
D. Boyle: do Curator of Museum 1,100 00
Jane M. Crooks: Ten do Assistant Librarian 457 00
Jessie Stocks: Two do do 100 00
F. F. Evans: Twelve do Clerk 800 00

EXPENSES ($5,501.13).

Books:—
Wm. Briggs, 139.82; G. N. Morang & Co., 26.96; Wm. Tyrrell & Co., 228.80; C. E. Lauriat & Co., 8.75; Boston School of Gymnastics, 1.10; Chas. Scribners Sons, 7.54; Copp, Clark & Co., 8.25; Linscott Pub. Co., 4.00; Carswell Co., 7.25; G. Kelly, 40.23; Rev. E. H. Clapp, 3.00; J. K. Williams, 2.00; J. R. Long, 2.00; B. Nicholson, 3.00; A. Norman, 16.00; A. & C. Black, 14.08; A. Ryan, 1.00; W. R. Haight, 2.25; Chas. Letts & Co., 8.87; J. H. Patton, 7.00; Vannevar & Co., .60; H. A. Wilson Co., 1.25; National Educational Association, 2.00; McMillan & Co., .70; C. H. Thorburn, 1.45; Funk & Wagnalls, 3.53; Baker & Taylor Co., 1.53 ..... 542 96

Subscriptions:—
Acta Victoriania, 1.00; *American Folk Lore*, 3.00; *American Inventor*, 1.50; *Amer. Agriculturist*, 1.00; *American Teacher*, 1.15; *American Hitsorical Review*, 3.75; *Acadiensis*, 2.50; *Birds and Nature* 1.50; *Bookseller and Stationer*, 1.00; *Botanical Gazette*, 5.00; *Bookseller's Magazine*, 2.25; *Booklovers' Library*, 5.00; *Contemporary Review*, 6.10; *Christian Guardian*, 1.00; *Can. Manufacturer*, 1.00; *Can. Architect and Builder*, 2.00; *Can. Bookseller*, 1.00; *Can. Magazine*, 10.30; *Can. Journal of Medicine and Surgery*, 1.00; *Can. Practitioner*, 2.00; *Can. Mute*, .50; *Can. Baptist*, 1.50; *Can. Teacher*, 2.50; *Can. Good Housekeeping*, 1.00; *Can. Annual Review*, 3.00; *Canadian Churchman*, 1.50; *Current Literature*, 3.00; *Cathalic Record*, 2.00; *Century*, 5.25; *Dominion Medical Monthly*, 2.00; *Dominion Presbyterian*, 1.50; *Educational Outlook*, 1.00; *Economist*, 2.00; *Educational Foundations*, 1.00; *Educational Monthly*, 2.00; *Educational Record*, 1.00; *Educational Review, N.Y.*, 3.00; *Educational Review, N.B.*, 1.35; *Edu. Times*, 2.00; *Education*, 4.40; *Elementary School Teacher*, 1.50; *Forum*, 4.00; *Farming World*, 2.00; *Home Science*, 1.00; *Illustrated London News*, 7.00;

EDUCATION.—*Continued.*

DEPARTMENTAL LIBRARY AND MUSEUM.—*Continued.*

EXPENSES.—*Continued.*

Subscriptions.—*Continued.*

Journal of Education, 2.45; *Journal of Geography*, 1.70; *Kindergarten Mag.* 2.00; *Kindergarten Review*, .80; *Little Folks*, 1.00; *Library Journal*, 6.00; *League of the Empire*, .34; *Mind and Body*, 1.00; *Museum Journal*, 2.66; *McClures*, .95; *Manual Training Magazine*, .50; *Monthly Review* 6.00; *Methodist Magazine*, 2.00; *N. A. Review*, 5.84; *Nineteenth Century*, 5.60; *Nature*, 7.00; *New England Journal of Education*, 2.75; *New Era*, .50; *O. A. C. Review*, .50; *Our Boys*, .25; *O. N. College Monthly*, .50; *Outlook*, 3.00; *Publisher's Weekly*, 3.00; *Penn. School Journal*, 1.25; *Popular Education*, 1.00; *Penman's Art Journal*, 1.00; *Printer and Publisher*, 2.00; *Public Opinion* 5.00; *Primary School and Our Times* 1.00; *Pedagogical Seminary*, 5.00; *Popular Science Monthly*, 3.00; *Quarterly Review*, 4.00; *Queen's Quarterly*, 1.00; *Review of Reviews*, 2.50; *School Master*, 3.00; *School Journal*, 2.40; *School Bulletin*, 1.00; *Scottish American*, 3.00; *School Review* 1.50; *Scottish Canadian*, 1.00; *St. Hildas Chronicle*, 1.00; *Science*, 5.90; *Saturday Review*, 7.00; *Teacher's Institute*, 1.00; *Trinity University Review*, 1.00; *United Canada* 1.50; *University of Toronto Monthly*, 1.00; *U. C. C. Times*, 1.00; *'Varsity*, 1.00; *World Work*, 3.00 ..... 228 44

G. Buskin, Ojibwa Dictionary, .50; Hon. D. Girouard; Copy Lake St. Louis, etc., 10.00 1050

W. H. Evans: Magazines for binding, 1.50; Josephine Smith: Copies Cosmos, 5.00 ..... 6.50

M. Sparkman: Souvenirs Canadian cities, 1.25; Sundry newspapers: Subscription, 181.15 182 40

Warwick Bros. & Rutter: Printing & binding, 39.50; Rolph, Smith & Co.: embossing, .78 ..... 40 28

L. K. Cameron: Stationery, 13.62; paper, 5.87; Wm. McMaster: Postage stamps, 25.00 44 49

Toronto Railway Co.: Car tickets, 10.00; H. M. Wilkinson: To pay express charges .28 10 28

University of New York: Express & postage, 1.94; Dom. Express Co.: Charges, 7.25 9 19

Canadian Express Co.: Charges, 1.20; G. T. Railway: Freight charges, 1.30 ..... 2 50

Collector of Customs: Duty, .45; H. F. Taylor: Services as 'phone boy, 6.00 ..... 6 45

E. M. King: Services as stenographer at 8.00 per week 424 00

C. Wilkinson: do do 24 00

Museum:—

E Dennis: Services as stenographer at 8.50 per week 450 00

L. Sharp: Services arranging collection at 8.00 per week 53 33

L. Hartman: Services at 1.00 per day, 15.00; J. H. Hammond: Article for report, 25.00 ..... 40 00

Treasurer Ontario Society of Artists; Painting "Sunset Glow" 125 00

Mildred Peel: Bust Rev. Dr. Gordon, 125.00; travelling exp., to Kingston *re* bust 35.00 ..... 160 00

G. E. Laidlaw: Archæological specimens, 3.00; C. W. Hartman; Specimens, 25.00 28 00

C. N. Bastedo: Indian relics, 10.00; J. H. Hammond: Specimens, 2.00 ..... 12 00

T. W. Beemer, M.D.: Specimens, 10.00; Alex. Hill: Indian deed, 5.00 ..... 15 00

Jacob Hess: Indian relics, 18.50; H. Etches: Collection of coins, 50.00 ..... 68 50

S. Mason: Rare books, 5.00; Jonathan Yorke: Picture in quills, 2.00 ..... 7 00

Dr. Wm. Brodie: Balance purchase of collection, 800.00; services arranging specimens in case, 250.00; services in museum, 750.00 ..... 1,800 00

N. Cockburn: Services assisting Dr. Brodie at 8.00 per week 272 00

Rev. Geo. W. Calvert: Collection Natural History specimens 250 00

J. Maughan, Jr.: Services classifying Calvert collection, 49.50; cleaning and poisoning collection, etc., 24.50 ..... 74 00

Dr G. A. McCallum: Expenses examining Indian collection 10 00

Wm. Scott: Collecting and mounting plants, 37.12; Gertie Hill: Washing busts, 10.00 ..... 47 12

W. E. Blake: Framing picture, 8.50; Woltz Mfg. Co.: Repairing picture, .80 ..... 9 30

Aikenhead Hardware Co.: Glass, picture wire, etc., 23.02; Wm. Hornshaw: Repairing exhibit, 4.50 ..... 27 52

Toronto Plate Glass Co.: Glass, 14.92; Mackenzie & Co.: Tablets, 5.30 ..... 20 22

M. Rawlinson: Boxes for specimens, 60.60; T. Eaton Co.: Cork carpet, etc., 36.23 96 83

H. M. Stevenson: Name plate, 2.00; J. B. Smith & Sons: Cases for museum, 4.90 6 90

Henry A. Rowland: Jars, chemicals, etc., 73.22; W. Lloyd Wood: Spirits, .50 ..... 73 72

L. McCorkindale: Sponges, .45; Brown Bros.: Paper for Natural History collection,, 15.60 ..... 16 05

A. C. Casselman: Binding "bank crests," .50; E. A. Skenings: Golden leaves, 2.16 2 66

EDUCATION.—*Continued.*

DEPARTMENTAL LIBRARY AND MUSEUM.—*Continued.*

EXPENSES.—*Continued.*

Amer. Museum of Natural History: Dues to Anthropological Assn		6 00
Warwick Bros. & Rutter: Printing & binding, 37.70; L. K. Cameron: Paper,	7.94	45 64
Brown Bros.: Paper, 13.00; Stationery, 8.50; Riordon Paper Mills: Paper,	2.85	24 35
J. B. Williams: Expenses *re* exhibition, .50; C. W. Irwin: Brokerage, .50		1 00
Toronto Railway Co.: Car tickets, 6.00; G. T. Railway Co.: Freight charges,	4.28	10 28
Dominion Express Co.: Charges, .97; Canadian Express Co.: Charges, 3.40		4 37
Cartage: H. Graham, .75; T. R. Haig, 1.40; J. Dufan, .30; M. Rawlinson,	1.50	3 95
D. Boyle: Travelling expenses, 109.70; trip to St. Louis, 97.60		207 30

SCHOOL OF PRACTICAL SCIENCE.

SALARIES ($32,255.94).

J. Galbraith: Twelve months'	salary as	Professor in	Engineering and Principal	3,200 00
A. P. Coleman:	do	do	Geology	2,100 00
W. H. Ellis:	do	do	Applied Chemistry	1,900 00
L. B. Stewart:	do	do	Surveying	2,000 00
C. H. C. Wright:	do	do	Architecture	2,000 00
T. R. Rosebrugh:	do	do	Electrical Engineering	2,000 00
J. McGowan:	do	Lecturer in	Applied Mechanics	1,300 00
G. R. Mickle:	do	do	Mining	1,700 00
R. W. Angus:	do	do	Mechanical Engineering	1,400 00
J. W. Bain:	do	do	Analytical Chemistry	1,300 00
G. R. Anderson: Three	do	do	Physics	300 00
A. T. Laing: Twelve	do	Registrar and	Librarian	1,300 00
H. G. McVean:	do	Demonstrator	Mechanical Engineering	900 00
H. W. Price:	do	do	Electrical do	900 00
E. C. R. Ardagh: Three	do	do	Chemistry	175 00
Peter Gillespie:	do	do	Applied Mechanics	175 00
Jas. R. Cockburn:	do	do	Drawing	175 00
F. G. Marriott: Nine	do	Assistant Lecturer	Chemistry	375 00
J. Horton: Three	do	do	do	125 00
A. E. Davidson: Nine	do	Fellow in	Civil Engineering	375 00
A. E. Gibson: Three	do	do	do	125 00
S. B. Wass: Nine	do	do	Mechanical Engineering	375 00
J. A. McFarlane: Three	do	do	do	125 00
J. G. McMillan: Twelve	do	do	Mining Engineering	500 00
E. G. R. Ardagh: Nine	do	do	Chemistry	375 00
S. Dushman: Three	do	do	do	125 00
C. G. Williams: Nine	do	do	do	377 00
E. Wade: Three	do	do	do	125 00
J. L. R. Parsons: Twelve	do	do	Surveying	500 00
N. D. Wilson: Three	do	do	do	125 00
H. M. Shipe: Nine	do	do	Electrical Engineering	375 00
H. G. Smith: Three	do	do	do	125 00
G. J. Manson:	do	do	do	125 00
J. R. Cockburn: Nine	do	do	Drawing	375 00
M. R. Riddell: Three	do	do	do	125 00
Herbert Fullerton: Two	do	Assistant in	Mechanical Laboratory	90 17
David Sinclair: Twelve	do	Attendant in	Chemistry	600 00
Geo. Lamb:	do	do	Metallurgy	410 00
D. K. Ambrust:	do	do	Drafting Room	300 00
E. Tozer:	do	do	Mining	300 00
Ernest Thompson: Two	do	do	Electrical Laboratory	54 10
A. Enright: Ten	do	Messenger		150 00
A. J. Richard: Twelve	do	Stenographer		350 00
W. J. Graham:	do	Caretaker		798 00
W. Simpson:	do	Engineer		900 00
A. F. McKay: Seven	do	Fireman and	Stoker	280 00
W. B. Scott: Four	do	Night	Fireman	180 00
M. McBrearty: One	do	Chief Engineer	Chem. & Min. Bldg	100 00
S. Hunter:	do	Asst.	do do	66 67
W. Foggett:	do	Fireman	do do	50 00
B. McMahon:	do	do	do do	50 00

EDUCATION.—*Continued.*

SCHOOL OF PRACTICAL SCIENCE.—*Continued.*

EXPENSES ($6,042.04).

Apparatus and Supplies:—
Map and School Supply Co., 12.75; C. Potter, 154.61; Dodge Mfg. Co. 16.56; Aikenhead Hardware Co., 273.26; T. G. Rice Mfg. Co., 20.30; Ont. Rubber Co., 43.41; A. T. Thompson & Co., 5.10; S. S. White Dental Mfg. Co., 19.20; Booth Copper Co., 2.25; Chandler & Massey, 10.77; Fensom Elevator Co., 7.60; Queen City Oil Co., 25.40; W. Abbott, 1.30; Can. General Electric Co., 151.34; C. R. Peterkin, 2.00; Grant-Hamilton Oil Co.: 23.50; Sauveur & Whiting, 34.63; Ginn & Co., 60.00; Hartman & Braun, 7.01; Rice, Lewis & Son, 90.07; Ward, Leonard Electric Co., 4.50; Fletcher Mfg. Co., 44.35; Jno. Whitfield Co., 90.85; Herman Boker & Co., 44.90; Eimer & Amend, 247.85; Brady & Martin, 26.11; F. G. Terry Co., 1.20; Standard Calorimeter Co., 9.66; Jno. Lucas, 4.00; Jno. McCausland & Son, 4.38; Rogers Electric Co., 30.00; Volta Electric Repair Works, 88.00; Jas. Foster 84.50; Toronto Plate Glass Co., 1.57; Jas. Morrison Brass Mfg. Co., 6.35; W. H. Petrie, 6.66; Central Electric School Supply Co., 3.10; McMahon, Broadfield Co., 1.50; Beaver Flint Glass Co., 17.50; Bausch & Lomb Optical Co., 24.20; Willyoung & Gibson Co., 14.80; E. Harris Co., 3.25; Toronto Electric Light Co., 20.25; Globe Paint Co., 24.00; Crown Art Stained Glass Co., 14.40; Vokes H'dw're Co., .20 — 1,778 92

Chemicals:—
Lyman Bros., 220.84; E. Muck, 89.69; J. C. Harvey, 8.16; Canadian Chemical Mfg. Co., 95.68 — 414 37

Castings, Pipe, etc:—
Dean Bros., 14.31; Treloar, Blashford Co., 50.28; Purdy, Mansell Co., 89.43; Jas. Robertson Co., 8.28; E. H. Roberts, 11.50; Jno. Whitfield Co., 1.00; — 174 80
T. R. Haig: coke, 14.40; United Electric Co.: Brass rails, 3.90 — 18 30
G. T. Hawkins: Aluminum paint, 7.50; Jno. Littlefield & Co.: Steel dies, 3.50 — 11 00

Repairs to Apparatus, etc:—
C. W. Coleman, 7.00; Can. Electric & Supply Co., 3.50; Geo. Pearsall, 2.20; Cobban Mfg. Co., .25 — 12 95
C. R. Peterkin: lumber, 13.10; F. Hillock: lumber, 1.41; J. B. Smith & Sons: Drawing tables, 400.00 — 414 51
Kilgour Bros.: Trays for rock samples, 36.00; H. F. Sharpe: Photo supplies, 142.60 — 178 60
C. M. Mack: Sign marker, stamp, etc., 12.00; Art Metropole: Drawing supplies, etc., 101.68 — 113 68
T. Henry: Blue print paper, 2.30; architects' pocket book, 5.00 — 7 30
A. T. Thompson & Co.: Lantern & carbons, 127.89; W. Cane: Slide boxes, 16.00 — 143 89
T. Eaton Co.: Clock, 4.65; towelling, 14.00; W. A. Murray & Co.: Oilcloth, 1.60 — 20 25
W. J. Wilson: Shade cloth, 14.20; Might's Directories: Directory, 6.00 — 20 20

Books:—
Engineering and Mining Jl., 3.50; Lemche & Buechner, 23.38; Wm. Tyrrell, 2.00; D. Van Nostrand Co., 226.59; Sauveur & Whiting, 14.00; Est. E. A. McMicking, 3.75 Engineering Society, 4.50; Craz & Girlack, 9.45; A. Herman, 3.53; Thos. Henry, 3.75; Society Chemical Industry, .52 — 294 97

Subscriptions:—
Amer. Inst. Mining Engineers, 33.00; Inst. Mining & Metallurgy, 2.66 Amer. Soc'y. Mechanical Engineers, 6.00; Can. Mining Review, 3.00; Iron & Steel Institute, 5.32; Engineering Magazine, 4.00; Can. Electric News, 2.00 Academy Architecture, 3.00; English Builder, 6.50; Studio 3.50; Wabigoon Star, 1.50; Review Pub. Co., .25; Collier's Weekly (copies), .21 — 71 54
R. Friedlander & Sohn, periodicals, 22.90; W. H. Guild & Co., periodicals, 115.35 — 138 25
S. P. S. Engineering Society, allowance for publishing proceedings, 75.00; paper 1.00 — 76 00
A. Petersen & Co., framing, 10.35; Copp, Clark Co., mounting maps, 11.65 — 22 00
C. Gripton, repairing stamp, 1.00; R. M. Williams, engrossing, 1.00 — 2 00
Rolph Smith & Co., engraving, stamping, etc. 41.25; diplomas, 10.00 — 51 25
Edith E. Shaw, engraving diplomas, 18.20; Toronto Engraving Co., engraving, 1.00 — 19 20
Grip, Limited, half tone of building, 4.24; University Co., printing and binding exam. books, 290.36 — 294 60
Warwick Bros. & Rutter, printing, etc., 122.60; do. calendars, 221.45 — 344 05
L. K. Cameron, stationery, 273.93; paper, 8.53; Grand & Toy, stationery, 9.60 — 292 06
United Typewriter Co., supplies, 2.00; C. Hendry, postage stamps and cards, 149.00 — 151 00

EDUCATION.—*Continued.*

SCHOOL OF PRACTICAL SCIENCE.—*Continued.*

EXPENSES.—*Continued.*

Subscriptions :—

D. Sinclair, car tickets, 1.00; Bell Telephone Co., messages, 3.80	4 80
G. N. W. Telegraph Co., 1.68; C. P. R. Telegraph Co., telegrams, 2.92	4 60
C. H. Cowen: Telegrams, .70; G. T. Railway: freight, 44.80; C. P. Railway: freight, 1.90	47 40
Canadian Express Co.: Charges, 4.70; Dominion Express Co.: charges, 8.58	13 28
Robinson & Heath, brokerage, etc. 95.61; C. W. Irwin, brokerage, etc., 1.44	97 05
J. Judd, Mason & Bros., duty on chemicals, .90; Lester Cartage Co. cartage, 38.25	39 15
D. W. Wright: Cartage 1.75; Ward's Express: cartage, 3.25; Rawlinson's express: cartage, .35	5 35

Advertising:—

University Alumni Ass'n. 133.33; Ontario Pub. Comm., 80.00; Can. Engineer, 15.00; Presbyterian Publications, 24.75; Catholic Register, 25.00; Can. Mining Review, 30.00; Catholic Pub. Co., 20.00; Queen's Quarterly, 42.00; Varsity Co., 2.00; Engineering Soc'y., 8.00; Biggar, Samuel Co., 15.00; Educational Pub. Co., 2.00; Torontonensis, 25.00; Acta Victoriania, 25.00; The Presbyterian 45.00; Can. Churchman, 18.00; Westminister, 22.50; Can. Year Book, 30.00; Reitinger & Motz, 25.00; Globe Ptg. Co., 120.00; Sheppard Pub. Co., 50.00..	757 58
J. Galbraith, accountable	7 14

MAINTENANCE ($6,321.31).

Wages, carpenters, plumbers, laborers, etc., 1,391.64; Water Works Dep't, water 134.82	1,526 46
Toronto Electric Light Co.: light, 166.01; power, 94.75; Consumers' Gas Co.: gas, 297.68	558 44
Wm. McGill Co.: 190-1750 tons grade coal @ 6.00, 1,145.24; 51-750 tons egg coal @ 6.20 318.55 ... 2-1700 tons stove coal @ 6.20, 17.67; 12 tons nut coal @ 6.20, 74.40; 4 cords hardwood @ 7.40, 29.60; 2 cords pine wood @ 6.25, 12.50; bagging coal .25; cutting wood @ 50 cents per cord, 3.00	1,601 21
V. P. Fayle, meals, weighing coal, 3.90; M. O'Connor, painting, numbering, etc., 462.15	466 05
Jno. Alridge, bricklaying, brick etc., 28.30; Geo. Henry repairing plaster, 8.00	36 30
Wm. Simpson & Co., hanging air pans under ventilators	2 80
Geo. Pearsall, sharpening saws, 1.40; Jno. Ritchie Plumbing Co., fitting up sink, 8.78	10 18
Keith & Fitzsimons, electric fittings, wiring, etc	225 29
Geo. Ringham: Metal ceiling, 9.08; Aikenhead Hardware Co.: Hardware etc., 15.44	24 52
T. Tomlinson & Son, culvert grating, 6.00; T. G. Rice Wire Mfg. Co., wire mats, 10.75	16 75
Dominion Radiator Co., pipe castings, etc., 13.35; Jas. Robertson Co., castings, etc., 11.53	24 88
J. B. Smith & Sons, drawing tables, 425.30; lumber, 203.83	629 13
Rogers Furniture Co., chairs, repairs, etc., 27.70; Adams Furniture Co,. desk, 20.00	47 70
Wheeler & Bain, furnishings, 18.75; Fletcher M'f'g. Co. brooms, dusters etc., 22.05..	40 80
Jno Macdonald & Co., towelling, etc., 6.86; Swan Bros., brooms, soap, etc.. 12.84	19 70
Jno. Kay Son & Co.: cork carpet, 1.70; T. Eaton Co.: linoleum, 2.40	4 10
W. Russell: vines, 4.50; repairing lawn mower, 1.00; J. A. Simmers: grass seed, 12.10	17 60
J. Morrow, rent of roller 2.70; D. W. Wright, cartage, .50	3 20
J. Maroney, carting ashes and snow, 73.20; C. English, assisting steam fitter, 6.00	79 20
T. McCutcheon, services as fireman, 42.00; Mrs. W. J. Graham, washing towels, 15.00	57.00
Mrs. Laballister, scrubbing, 5 00; University of Toronto, ground rent 1904 925.00	930 00

PUBLIC LIBRARIES ($35,268.42).

S. P. May: Twelve months' salary as Superintendent	1,700 00
Wm. Lemon do do Clerk	850 00

Treasurer, Public Library:—

Allan's Mills, 14.69;	Acton 24.73;	Arthur, 57.37;	Alliston, 20.45;
Alvinston, 102.53;	Aylmer, 129.69;	Almonte, 101.28;	Addison, 43.82;
Arkona, 11.00	Atwood, 110.58;	Arnprior, 50.79;	Alton, 65.05
Ailsa Craig, 68.78;	Amherstburg, 123.21;	Aurora, 49.99;	Alma, 61.33;
Angus, 32.84;	Ayr, 45.94;	Auburn, 7.85;	Aberarder, 25.10;
Athens, 56.09;	Blenheim 51.49;	Burks Falls, 20.67;	Brockville 243.93;

EDUCATION.—*Continued.*

PUBLIC LIBRARIES.—*Continued.*

Treasurer, Public Library :—

Barrie, 135.09; Brighton, 121.23; Bervie, 42.83; Bridgeburg, 77.73; Brussels, 96.17; Bridgen, 24.07; Bracondale, 41.52; Brantford, 250.00; Bowmanville, 24.64; Brooklin, 51.46; Bothwell, 65.23; Beamsville, 48.16; Bradford, 50.50; Bolton, 53.43; Belleville, 150.65; Bracebridge, 125.40; Brucefield, 60.00; Belwood, 46.06; Bayham, 16.45; Bobcaygeon, 68.49; Beachville, 95.11; Burnstown, 24.11; Burford, 116.95; Beaverton, 41.89; Bellfountain, 84.45; Bunyan, 39.87; Burlington, 37.53; Brampton, 133.25; Bruce Mines, 50.00; Berlin, 143.83; Bloomsburg, 2.72; Berwick, 100.00; Blyth, 47.32; Chatsworth, 26.22; Cambray, 39.68; Cookstown, 33.20; Clarksburg, 5.37; Creemore, 28.96; Claremont, 60.43; Carp, 45.49; Coldstream, 51.69; Chesterville, 115.47; Camden E., 48.07; Caledon, 29.34; Claude, 76.00; Chesley, 87.89; Campbellford, 65.82; Clifford, 59.78; Coldwater, 51.98; Carleton Place, 116.10; Comber, 107.30; Chatham, 165.45; Caledonia, 95.57; Cornwall, 127.25; Cobden, 25.56; Collingwood, 45.90; Cargill, 100.00; Cannington, 44.47; Cobourg, 136.96; Callander, 93.25; Clinton, 152.03; Cheapside, 26.46; Chepston, 102.75; Cardinal, 17.95; Canfield, 16.05; Cayuga, 20.20; Copleston, 48.90; Don, 37.69; Dutton, 36.21; Dunnville, 31.95; Dresden, 14.30; Dundas, 117.81; Deseronto, 131.20; Drumbo, 99.29; Douglas, 20.50; Dalhousie, 11.83; Dromore, 14.34; Dungannon, 13.59; Dundalk, 87.63; Delhi, 63.17; Drayton, 70.63; Durham, 31.57; Ethel, 14.34; Elora, 90.59; Essex, 62.09; Erin, 28.50; Easton's Corners, 20.82; Elmira, 17.93; Embro, 73.00; Emsdale, 55.06; Exeter, 106.00; Enterprise, 100.00; Elmwood, 22.06; East Toronto, 100.05; Elmvale, 27.74; Ennotville, 60.00; Fonthill, 47.47; Fenella, 25.96; Fenelon Falls, 74.34; Fordwich, 27.09; Forresters Falls, 23.89; Fort Erie, 47.83; Fort Francis, 63.12; Fergus, 69.20; Forest, 90.64; Gananoque, 102.97; Garden Island, 101.73; Glencoe, 100.62; Guelph, 250.00; Grantham, 100.86; Galt, 250.00; Georgetown, 96.96; Gores Landing, 38.52; Grimsby, 132.97; Gravenhurst, 47.00; Glen Allen, 31.38; Glen Cross, 20.92; Glamis, 100.00; Goulais Bay, 48.50; Goderich, 110.92; Grand Valley, 58.64; Havelock, 140.39; Harriston, 73.31; Haliburton, 31.70; Haileybury, 19.75; Hamilton, 250.00; Highgate, 79.37; Hensall, 100.17; Hagersville, 26.69; Huntsville, 125.00; Holstein, 35.04; Holyrood, 26.48; Highland Creek, 24.11; Hillsdale, 50.96; Harrow, 42.07; Hespeler, 102.34; Hepworth, 10.77; Harrowsmith, 33.43; Honeywood, 18.70; Hanover, 25.04; Inglewood, 21.21; Ingersoll, 108.65; Inkerman, 4.99; Inwood, 49.93; Islington, 49.00; Iroquois, 74.72; Jasper, 70.00; Jarvis, 40.38; Kingston, 161.72; Kingsville, 116.70; Kinmount, 91.68; Kemptville, 77.09; Kincardine, 82.34; Komoka, 66.33; Kemble, 39.57; Kirkfield, 8.80; Lancaster, 100.36; Lakefield, 62.43; Lynden, 9.81; Little Current, 41.15; Lucknow, 22.22; Little Britain, 39.85; Lucan, 26.76; London, 250.00; Listowel, 121.06; Lefroy, 39.13; Lindsay, 180.24; Lanark, 121.96; Leamington, 101.55; Maple, 32.91; Marlbank, 46.63; Madoc, 105.31; Markham, 41.34; Mallorytown, 32.81; Morriston, 17.35; Morrisburg, 85.59; Merrickville, 100.04; Midland, 110.99; Maxville, 27.52; Mildmay, 70.30; Matilda, 20.00; Manilla, 100.92; Maxwell, 74.15; Monkton, 43.48; Millgrove, 14.60; Milverton, 101.50; Markdale, 100.77; Millbrook, 75.93; Molesworth, 50.32; Melbourne, 67.48; Mississippi, 69.57; Mount Brydges, 58.30; Minden, 33.43; Meaford, 47.72; Merritton, 51.40; Mt. Albert, 43.97; Mt. Forest, 59.00; Milton, 29.74; Mitchell, 79.28; Nanticoke, 35.16; North Augusta, 73.69; Niagara Falls, S., 8.03; Niagara Falls, 156.85; Niagara, 107.41; Napanee, 162.29; North Gower, 31.85; Newburgh, 47.88; Newbury, 33.67; New Hamburg, 99.68; New Market, 35.95; Newboro, 99.60; Norwich, 107.26; Norland, 49.00; Newington, 72.24; North Bay, 66.72; Norwood, 120.73; New Durham, 45.45; Nairn Centre, arrears 1902, 50.00; Odessa, 31.20; Orono, 49.92; Omemee, 53.22; Oakville, 48.63; Oshawa, 112.43; Orangeville, 130.67; Owen Sound, 76.13; Orillia, 108.16; Oakwood, 26.08; Pickering, 34.51; Petrolea, 61.84; Plattsville, 20.07; Pakenham, 10.85; Port Arthur, 89.71; Port Carling, 21.15; Port Perry, 88.92; Port Elgin, 51.07; Peterborough, 133.70; Paisley, 63.53; Parkhill, 9.19; Perth, 35.00; Port Colborne, 43.85; Penetanguishene, 93.52; Pinkerton, 78.22; Paris, 88.00; Port Dover, 34.54; Port Credit, 39.32; Port Hope, 146.25; Palmerston, 118.86; Prescott, 125.59; Pembroke, 130.72; Preston, 106.99; Princeton, 101.26; Priceville, 72.40; Picton, 150.51; Port Burwell, 30.25; Poland, 80.00;

EDUCATION.—*Continued.*

PUBLIC LIBRARIES.—*Continued.*

Treasurer, Public Library:—

Port Stanley, 27.19; Parry Sound, 49.02; Point Edward, 100.00; Rat Portage, 136.88; Riverdale 20.97; Ridgetown, 88.57; Romney, 58.60; Rodney, 37.44; Ripley, 27.99; Ridgeway, 51.26; Richmond, 45.75; Russell, 33.67; Renfrew, 43.97; Richmond Hill, 71.74; Rockwood, 32.35; Simcoe, 149.91; Streetsville, 50.00; Sterling, 153.74; Smith's Falls, 136.17; Seaforth, 114.34; Shelbourne, 30.33; Sarnia, 250.00; Stratford, 250.00; Strathroy, 139.08; Shakespeare, 12.09; Saltfleet, 100.00; Schreiber, 37.26; Shedden, 49.93; Sunderland, 77.88; Sundridge, 21.82; Sparta, 23.49; Scotland, 69.20; Spencerville, 14.40; Sprucedale, 51.03; Sault Ste. Marie, 132.42; St. Marys, 84.65; Smithville, 91.59; Stayner, 46.14; Scarboro, 74.03; Stouffville, 74.59; Southampton, 34.06; St. Thomas, 171.88; St. George 69.23; St. Catharines, 250.00; Severn Bridge, 48.67; St. Helens, 25.75; Sydenham, 68.74; Tilsonburgh, 83.54; Toronto Junction, 97.83; Thessalon, 86.95; Trenton, 100.27; Tara, 40.52; Thamesville, 12.52; Thedford, 62.33; Thamesford, 37.22; Tamworth, 37.74; Thornbury, 53.83; Thorold, 139.07; Toronto, 250.00; Thornhill, 16.03; Tilbury, 26.61; Tilbury E. 32.87; Teeswater, 116.68; Thornloe, 35.28; Tavistock, 127.05; Underwood, 50.51; Unionville, 28.27; Uxbridge, 76.10; Vankleek Hill, 73.31; Vienna, 100.00; Victoria, 45.33; Victoria Mine, 36.85; Wyoming, 40.43; Wallaceburg, 115.38; West Lorne, 23.70; Wales, 70.13; Watford, 89.88; Whitby, 55.99; White Lake, 34.35; Weston, 23.83; Waterloo, 116.95; Welland, 99.89; Woodville, 24.60; Wingham, 125.94; Williamstown, 57.57; Wheatley, 49.45; Wiarton, 119.70; Woodstock, 139.74; Wroxeter, 62.43; Westford, 35.17; Wellesley, 53.90; Warkworth, 43.75; Waterdown, 50.38; Wardsville, 19.30; Webbwood, 21.00; Walkerton, 65.86; Windsor, 250.00; Woodbridge, 42.33; Zephyr, 49.21; Yarker, 12.15; York, 41.50 ..... 26 591.41

Warwick Bros. & Rutter: Printing and binding, 43.14; Rolph, Smith & Co.: Embossing, .78 ..... 43 92

L. K. Cameron: Paper, 18.80; stationery, 28.13; Riordon Paper Mills: Paper, .61 ..... 47 54

Brown Bros.: Blank books, .85; Wm. McMaster: Postage stamps, 345.00 ..... 345 85

Newsome & Co.: Typewriter supplies, .75; C. Wilkinson: Services stenographer, 8.00 ..... 8 75

H. F. Taylor: Services as 'phone boy, 12.00: W. Lemon: Services as 'phone boy, 24.00 ..... 36 00

Toronto Railway Co.: Car tickets, 3.75; S. P. May: Travelling expenses, 322.05.... ..... 325 80

Rural School Libraries: Grant towards purchase of books:—

Treasurer County of:—

Brant, 26.25; Bruce, 110.43; Carleton, 155.28; Dufferin, 85.00; Elgin, 430.48; Essex, 20.54; Frontenac, 450.00; Grey, 84.54; Haliburton, 62.55; Haldimand, 11.97; Halton, 46.00; Hastings, 10.00; Huron, 168.82; Kent, 194.24; Lambton, 10.00; Lanark, 101.97; Leeds & Grenville, 85.78; Lennox & Addington, 24.53; Lincoln, 200.00; Middlesex, 84.98; Northumberland & Durham, 62.86; Norfolk, 23.13; Ontario, 239.97; Oxford, 52.11; Perth, 107.98; Prince Edward, 61.11; Prescott & Russell, 65.27; Peterboro, 16.60; Renfrew, 60.48; Simcoe, 89.25; Stormont, Dundas & Glengarry, 47.41; Victoria, 25.00; Waterloo, 21.00; Wellington, 44.14; Wentworth, 111.43; York, 73.14;

Trustees Public School:—7 Chaffey, 7.00; 3 Chaffey, 10.00; 2 Morrison, 10.00; 3 Morrison, 10.00; 4 Morrison, 3.72; 5 Morrison, 3.24; 2 Medora, 10.00; 3 Medora, 10.00; 3 Perry, 10.00; 1 Robinson, 10.00; 4 Ryerson, 10.00; 1 Spence, 9.95; 5 Strong, 7.50; 7 Stisted, 10.00; 2 Salter & Harrow, 10.00; 1 Tehkummah, 10.00; 5 Watt, 10.00;

Trustees R. C. S. S.:—1 Carrick & Culross, 5.50; 9 Downie, 10.00; 3 Holland, 5.00; 5 Raleigh, 5.26; 6 Raleigh, 10.00; 7 Sydenham, 5.00 ..... 3,656 41

Grants for free text books:—

Treasurer County Hastings, 3.92; Lanark, 13.60; Middlesex, 8.34; Wentworth, 6.34; York, 8.55;

Trustees P. S.:—3 Paipoonge, 10.75 ..... 51 50

Travelling Libraries:—

Books: C. E. Lauriat & Co. 15.64; Wm. Tyrrell & Co. 184.50; G. N. Morang & Co. 77.65; Wm. Briggs, 4.25; Chas. Scribners Sons, 1.94; W. E. Blake, 3.40; E. J. Sacco, 1.90; A. & C. Black, 11.49; M. Moyer, 1.00;

Warwick Bros. & Rutter: Printing and binding, 4.65; C. W. Irwin: Brokerage, .50;

EDUCATION.—*Continued.*

PUBLIC LIBRARIES.—*Continued.*

Travelling Libraries:—
Dominion Express Co.: Charges, 25.30; Canadian Express Co.: Charges 11.50; G. T. Railway: Freight charges, 10.09; Toronto Railway Co.: Car tickets, 2.00; 355 81
W. J. Bell, Treasurer Reading Camp Association: Grant 500 00
Wm. Briggs: 4,000 pamphlets "Camp Education Extension," 126.20; refund of postage mailing circulars re Reading Camp Libraries, 36.25 ..... 162 45
St. Patrick's Literary and Scientific Association: Allowance for literary work 1901-2-3 342 93
Jno. Miller: Extra services preparing catalogue *re* P. S. Libraries 250 00

ART SCHOOLS, ETC. ($3,355.96).

Legislative Grant:—
Ontario Society of Artists, 500.00; School of Art St. Thomas, 320.00; Hamilton School of Art, 387.00; Central Ontario School of Art & Design, 301.00; Central Art School, Toronto, 140.00 ..... 1,648 00
Services preparing and Examining Papers:—
W. S. Allward, 10.00; A. C. Barrett, 7.00; A. C. Casselman 20.00; G. Hahn, 7.75; McG. Knowles, 5.00; J. Lang, 8.00; A. H. McBride, 7.00; A. F. McCallum, 22.60; Jessie C. McRae, 77.50; T. A. Reid, 70.00; W. Lemon, 15.00; S. F. Fuller, 90.00 339 25
Travelling Expenses of Examiners:—
Jessie McRae, 7.50; T. A. Reid, 8.90; S. F. Fuller, 12.00 ..... 28 40
Paintings:—
Ontario Society of Artists: "October," 20.00; "A Newfoundland Trout Stream," 125.00; "Bretone," 350.00 ..... 675 00
Harry Spiers: (oil), "When Day's Work is Done" 100 00
Mackenzie & Co.: 4 portraits, "Aurora," "Resurrection," "St. Michael," "Sibrella," 200 00; lettering and hanging pictures, 35.20 ..... 235 20
R. K. Sproule: 40 copies "Sons of the Empire," 30.00; C. T. Smith: Packing Art work, 3.00 ..... 33 00
Warwick Bros. & Rutter: Printing and binding, 72.26; Riordon Paper Mills: Paper, 2.29 ..... 74 55
L. K. Cameron: Paper, 54.17; stationery, 44.00; Toronto Engraving Co.: Zinc Engraving, 13.09 ..... 111 26
National Electro & Stereo Co.: Cuts for examination papers, 8.00; Wm. McMaster: Postage stamps, 85.00 ..... 93 00
Canadian Express Co.: Charges, 10.30; Toronto Railway Co.: Car tickets, 2.00 ... 12 30
Advertising: University Co., 2.00; Queen's Quarterly, 2.00; Educational Pub. Co., 2.00 6 00

LITERARY AND SCIENTIFIC. ($3,600.00).

Canadian Institute	Legislative grant	1,500 00
St. Patrick's Literary and Scientific Society	do	200 00
Scientific Association, Hamilton	do	400 00
Ottawa Field Naturalists' Club	do	200 00
Ottawa University Scientific Society	do	100 00
Royal Astronomical Society	do	300 00
Ottawa Literary and Scientific Society	do	400 00
Institut Canadien	do	400 00
Wellington Field Naturalists' Club	do	100 00

HISTORICAL SOCIETIES ($1,700.00).

Provincial Historical Association	Legislative grant	600 00
London and Middlesex Historical Society	do	100 00
Niagara Historical Society	do	100 00
do do. (special)	do	500 00
Lundy's Lane Historical Society	do	200 00
Wentworth Historical Society	do	100 00
Women's Historical Society	do	100 00

EDUCATION.—*Continued.*

TECHNICAL EDUCATION ($19,527.16).

Grants:—

Lillian Massey Training School of Household Science	1,500 00
Treasurer Bd. of Education, Toronto, for Technical High School	1,620 00
do Hamilton, for School Domestic Science	296 00
do Y. W. C. A., Brantford, for Household Science	260 00
do Y. W. C. G. Guild, Toronto do	50 00
do School of Art, Hamilton, 300.00; Treas. Technical School Bd., Brantford, 990.00	1,290 00
Secy. Treasurer Board of Education, Kingston, 1,345.00; Renfrew, 320.04	1,665 04
Treasurer Public School Board: Stratford, 260.00; Brockville, 365.00	625 00
Toronto for Ryerson School, 425.00; Givens St., 425.00; Wellesley, 425.00; Dufferin, 425.00; King Edward, 310.00; Winchester, 300.00	2,310 00
Ottawa for George St., 147.00; Bolton St., 105.00; Slater St., 414.00; Elgin St., 258.40; Cambridge St., 86.80; First Ave., 203.60; Wellington St., 97.40	1,312 20
Guelph, 723.00; Ingersoll, 303.00	1,026 00
Treasurer High School & Collegiate Inst. Bd:—Berlin, 2,140.00; Woodstock, 484.00; Stratford 1,045.00; Cobourg, 214.40; London, 280.00; Essex, 268.00	4,431 40
Classes at Medical College for Women:— Treas. Med. Col. for Women: Balance students fees and use of laboratory, 100.00; M. B. Tamblyn: Services as assistant teacher, 175.00; Eimer & Amend: Apparatus, 200.44; Central Electric Supply Co.: Apparatus, 17.80	493 24
Kingston Summer School:— W. S. Ellis: Salary as Principal, 50.00; disbursements, material, etc., 83.50; Nature Study, 100.00; Prof. Marshall: Lectures, "Literature," 100.00; Prof. N. F. Dupuis: Lectures, "Earth, Moon & Sun," 75.00; A. R. Wilson: Lecture, "Use of School Library," 10.00; Dr. Williamson: Lectures "Sanitation and Ventilation," 20.00; Miss Jennie Shaw: Lessons in drawing and chip-carving, 60.00; Miss Etta Adams: Lessons in construction paper work, 25.00; Miss Etta Sparks: Lessons in Household Science, 25.00	548 50
Chatham Summer School:— J. W. Plewes: Services as Principal and lecturing on nature study, 75.00; A. M. Butchart: do Teacher Home Science, 75.00; E. Abram: do Drawing teacher, 35.00; E. M. Arnold: do Water Color teacher, 30.00; V. Aylesworth: do Teacher Manual Training, cardboard paper, 30.00; L. Green: do do do Reeds, raffia clay, 30.00; G. Morrison: do do blackboard drawing, 25.00	300 00
Cobourg Summer School:— C. C. Arthur: Services as Principal, 105.10; J. Burchill: Services Asst. Prin., 105.10; Jeanie Reddick: do Teacher Domestic Science, 52.56; P. S. Board, Cobourg: Stationery, advertising, etc., 37.24	300 00
Scholarship Course, Macdonald Institute:— Sarah Crysler, 50.00; R. M. Finley, 50.00; Marriett E. Huff., 50.00; E. B. Palmer, 50.00; Louise Short, 50.00; R. F. Blacklock, 75.00; C. H. Fenton, 75.00; W. J. Robinson, 75.00; C. T. Yeo, 75.00; D. J. Doyle, 75.00	625 00
Industrial Exhibition Exhibit:— Jno. Ritchie Plumbing Co.: Connecting gas stove, etc., 15.36; G. Rathbone: Lumber, re Manual Training Exhibit, 2.31	17 67
Mrs. Hoodless: Services re Technical Education, 600.00; travelling expenses, 101.75	701 75
Isabell Bevier: Lectures to Home Society Dept. Teachers' Assn	20 00
Jno. Evans: Travelling expenses re regulations	4 35
Books:— Wm. Comstock, 1.20; J. A. Carveth Co., 3.50; Taylor, Holden Co., 1.35; Inland Printer Co., 3.00	9 05
Steinberger, Hendry Co.: Mill board, .60; Lyman Bros.: Chemicals, .98	1 58
Warwick Bros. & Rutter: Printing, 11.10; L. K. Cameron: Paper, 2.57	13 67
Riordon Paper Mills: Paper, 2.10; Copp, Clark Co.: Almanac for Insp. Leake, .25	2 35
Wm. McMaster: Postage stamps, 100.00; Dominion Express Co.: Charges .30	100 30
D. W. Wright: Cartage, .35; Jas. Shannon: Cartage, .75; C. W. Irwin: Brokerage, etc., 2.96	4 06

EDUCATION.—*Continued.*

PROVINCIAL UNIVERSITY AND MINING SCHOOLS ($111,422.86).

Bursar University of Toronto:—	
Maintenance of Departments of Chemistry, Physics, Mineralogy and Geology for year ended June 30, 1904, (1 Ed. VII., C. 41, S. 61)	41,950 00
Transfer of money received by Provincial Treasurer during year 1903 *re* lands set apart for University of Toronto (60 Vic., Cap. 59, Sec. 4)	1,347 86
Annual grant re discharge of claims (60 Vic., Cap. 59, Sec. 7)	7,000 00
Grant *re* Agriculture Examinations Degree B. S. A.	425 00
H. H. Langton, Treas. University of Toronto studies: Grant, printing historical and economic papers	600 00
L. Salter: Twelve months' salary as Matron women's department	600 00
School of Mining, Kingston:—	
Grant for erection of buildings (1 Ed. VII., Chap. 44, Sec. 11)	22,500 00
do for equipment, 7,500.00; Grant for maintenance, 29,500.00	37,000 00

MAINTENANCE EDUCATIONAL BUILDINGS ($9,512.13).

W. J. McCleary: Twelve months' salary as Carpenter	600 00
W. Cross: Services as night fireman, 46.00; J. B. Devins: Services as fireman, 135.00	181 00
P. Wilkins: do fireman, 21.00; G. Robinson: do do 45.00	66 00
Work on Grounds:—H. Blunt at 8.00 per week, 459.42; W. Layng at 9.00 per week 175.25	634 67
F. Morse: Assisting janitor, 60.00; Pay lists: Wages of men, 391.43	451 43
Consumers' Gas Co.: Gas, 104.24; Water Works Department, 676.37	780 61
Toronto Electric Light Co.: Light current, 486.63; power current 2.50	489 13
Knickerbocker Ice Co.: Ice,	5 00
Fuel:—Wm. McGill & Co., 336-75 tons grate coal at 6.00, 2,016.24; 15½ tons stove coal at 6.20, 96.10; 54-1575 tons egg coal at 6.20, 339.70; bagging at. 25 per ton, 4.46;	2,456 50
Jas. H. Milnes: 32-875 tons soft coal at 6.15, 199.50; 17-1700 tons soft coal at 5.40, 96.39; 14½ cords pine at 3.90, 56.55; 11 cords slabs at 8.75, 53.35	405 79
F. D. Macfie & Co.: 10.50 tons egg coal at 7.00	70 18
Chas. Rogers Furniture Co.: furniture, 310.00; T. Eaton Co.: stools, carpet, wall paper, etc. 116.93	426 93
Jno. Kay Son & Co.: desk, 20.00; J. & J. L. O'Malley: Repairing chairs, 15.00	35 00
M. Brown: Repairing chairs, 4.55; W. A. Murray & Co.: rug, 3.50	8 05
Pleiffer & Hough Bros.: Cleaning carpets, 26.39; R. P. Powell: Cleaning carpets, 5.66	32 05
Gourlay, Winter & Leeming: Tuning pianos, 5.00; cartage, 9.00	14 00
Mason & Risch Piano Co.: Tuning pianos, 3.50; Ambrose Kent & Son: Clock, 20.00; care of clocks, 60.00	83 50
Fletcher Mfg. Co.: Furnishings 39.10; T. Eaton Co.: Furnishings, 131.78	170 88
United Factories: Brush .18; R. Simpson: Shades, 15.75	15 93
Mackenzie & Co.: Pictures, framing, etc., 37.00; A. Petersen: Framing pictures, 10.00	47 00
Jos. B. Thomson: Painting, etc., 156.15; C. Davis & Co.: Painting, etc., 138.00	294 15
F. Cuthbert: Papering, 10.60; W. M. Haynes: Plastering, 7.20	17 80
Woltz Manufacturing Co.: Moulding, 15.57; Geo. McFarlane: Step ladder, 2.00	17 57
Steinberger, Hendry & Co.: Blackboard, 27.84; Map & School Supply Co.: Liquid slating, 4.00	31 84
Can. Electric & School Supply Co.: Liquid slating, 4.50; McColl Bros. & Co.: Floor oil, 11.50	16 00
Toronto Floor Oil Co.: Floor oil, 3.85; J. B. Smith & Sons: Lumber, 303.34	307 19
Nicholson & Curtis: Stone manhole, 6.00; F. Holmes: Cement and sand, 3.00	9 00
W. Maguire: Brick, cement, etc., 55.25; W. J. Hynes: Repairing cornice, 11.99	67 24
Geo. Ringham: Tinsmithing, 134.15; clearing snow from roof, 124.25	258 40
Dominion Radiator Co.: Repairing radiators, etc., 60.17: Earsman Bros.: Plumbing, etc., 19.20	79 37
Jas. Robertson Co.: Castings, etc., 60.14; Chemical Compound Co.: Boiler compound, 18.00	78 14
Aikenhead Hardware Co.: Hardware, 106.15; G. Brimstin: Keys, .30	106 45
Shipway Iron Bell & Wire Works: Repairing bells, 18.85; Toronto Electric Light Co.: Switches, 11.40	30 25
J. Aldridge: Repairing drains, 42.15; Eureka Mineral Wool & Asbestos Co.: Gaskets, etc., 8.76	50 91
Purdy, Mansell Co.: Castings, etc., 17.30; R. Jeffery: Boiler compound, 18.00	35 30
W. R. Dennick & Co.: Iron plate, 2.00; Geo. Pearsall: Tools, 2.23	4 23

EDUCATION.—*Continued.*

MAINTENANCE EDUCATIONAL BUILDINGS.—*Continued.*

McDonald & Willson: Electrical supplies, 7.01; Bennett & Wright: Repairing gas heater, 1.63	8 64
L. McCorkindale: Attendance in Public Hall, 17.00; W. J. Lemon: Attendance in Hall, .50	17 50
C. T. Smith: decorating hall, 17.50; Manton Bros.: Christmas trees, 1902-3, 8.00	25 50
Steele, Briggs Seed Co.: Plants, 14.40; Brown Bros. Co.: Trees, vines, etc., 21.75	36 15
W. J. Lawrence: Plants, loam, etc., 235.30; Wm. Rennie: Seeds and plants, 140.45	375 75
W. T. White: Seeds, plants, etc., 2.00; E. Grainger Co.: Plants, 2.60	4 60
G. H. Hazzard: Plants, 3.00; J. Sercombe; Sod, 36.25; G. Pearsall: Tools and repairs, 21.43	60 68
C. R. Farrow: Repairing tools, 7.55; Aikenhead Hardware Co.: Lawn mower, 19.38	26 93
F. Spooner: Salt for grounds, .20; Joss. Feigeher: Manure, 1.50	1 70
M. J. Doran: Fertilizer, 28.00; B. Cornachie: Cartage manure, 1.00	29 00
J. Feiginan: Smithy sweepings and manure, 3.00; C. P. Ry.: Freight charges on plants, 3.89	6 89
Dominion Express Co.: Charges on trees, .60; Can. Express Co.: Charges on trees, .30	90
W. J. Pickard: Cartage on trees, .50; Toronto Ry. Co.: Car fares *re* grounds, 1.00	1 50
R. Pettigrew: Repairing messenger's bicycle, 2.00; W. Roy: Clearing snow, 2.00	4 00
Supplies for Cleaning:— R. Gilpin, 25.00; T. Williamson, 25.00; Bella Simpson, 25.00; L. McCorkindale, 50.00; McColl Bros., 12.45; Union Petroleum Co., 26.95	164 40
T. Williamson: Washing towels, 19.00; L. McCorkindale: Washing towels, 16.00; paste, 5.00	40 00
Sundry charwomen wages, 236.00; J. Falvey: Cartage, 77.50	313 50
City Treasurer, scavenger tickets	17 00

MISCELLANEOUS ($4,917.63).

Justice Street: Honorarium and travelling expenses *re* dispute Windsor Sep. School	327 50
R. H. Cowley: Arbitrators expenses *re* Altercation Twps. Osgoode & Mountain	172 86
W. C. Perry: Respondents costs *re* Arbitration, 15 Arthur, etc., and 9 Arthur W	142 64
W. C. Perry & Wm. Kingston: Bill of costs *re* arbitration, Luther, etc	167 67
D. O'Connol: Counsel fee Gratton vs. Ottawa S. S. Trustees	100 00
Dominion Teachers' Association: Grant	300 00
Librarian University of Toronto, 150 copies Review Historical Publications	75 00
Warwick Bros. & Rutter: Printing and binding:— General Registers, 210.95; Public School Registers, 217.50; University Report, 44.70; Education Report, 80.20; Archæological Report, 113.90; Documentary History, 700.70; Regulations, 535.30	2,503 25
Riordon Paper Mills: Paper for regulations, 431.06; University report, 85.30; paper, 1.53	518 43
L. K. Cameron: Paper, 360.97; stationery, 118.40; paper for Archæological Report, 126.00	605 37
D. Clapp: Postage on school acts, etc., 1.85; Thompson Engraving Co.: Zinc map, 2.80	4 65
Dominion Express Co.: Express charges	80

SUPERANNUATED TEACHERS ($64,259.75).

Allowance to Teachers for 1903, see Public Accounts	63,204 25
Less allowance in above statement to teachers since deceased. C. H. Ashdown, 203.00; B. M. Brisbin, 145.50; W. J. Black, 168.50; P. Clarke, 153.00; V. A. Coleman, 143.00; B. Daly, 227.00; Robt. Grant, 154.00; Thos. Gilbert, 152.00; Alex. Kennedy, 176.00; C. Kennedy, 107.00; Seth Lyons, 173.00; G. H. McIntyre, 181.50; Alex. J. McPhee, 179.00; Robt. McWhorter, 83.50; E. W. Pillar, 189.00; Rev. R. Rooney, 134.00; Jas. Scott, 142.50; C. Shortt, 164.50; Wm. Stiver, 94.00; C. J. Taylor, 122.00; H. Whitcomb, 170.00; Frank Wood, 229.00	;
Less difference between grants 1903 over 1904: Wm. Rennie, 2.00; T. Q. McGory, 79.50	3,572.50
	59,631 75

EDUCATION.—*Continued.*

SUPERANNUATED TEACHERS.—*Continued.*

Add new allowances for 1904:—

Robt. Alexander, 335.50;	Wm. Bell, 251.50;	David Bell, 122.00;	
Jas. W. Connor, 276.00;	Jas. A. Davis, 162.00;	J. W. Dafoe, 137.50;	
Wm. Goodbody, 182.00;	T. Q. Grey, 79.50;	R. D. Hall, 419.25;	
Hy Husband, 444.25;	M. E. F. Hanson, 227.00;	Jos. Latter, 234.00;	
Thos. Moore, 280.00;	David Mills, 216.50;	Jas. Wm. Morgan, 117.00;	
Geo. H. McIntyre, 181.50;	C. S. McMain, 135.25;	Jno. Rabb, 107.75;	
David Smith, 167.50;	E. A. Wilkins, 119.50;	Mary Weatherston, 157.00;	

Add difference between grants 1904 over 1903:—

L. L. McFaul, 1.50;	Wm. Noble, 2.00;	H. H. Reid (arrears) 200.50;	
J. Geo. Rose, 55.50			4,612 00

Dr. A. McPhedran: Medical examinations of applicants	16 00
	.. 64,259 75
Total Education	949,806 78

PUBLIC INSTITUTIONS MAINTENANCE.

PUBLIC INSTITUTIONS MAINTENANCE.

ASYLUM FOR INSANE, TORONTO.

SALARIES ($35,739.51).

Daniel Clark, M.D.:	Twelve months'	salary as Medical Superintendent	2,000 00
W. K. Ross, M.D.:	do	Assistant do	1,300 00
J. C. Mitchell, M.D.:	Nine do	do Physician	787 50
W. J. Harris, M.D.:	Three do	do do	262 50
Wm. Tracy:	Six do	Bursar (including rent allowance)	900 00
Jas. Corcoran:	do	do do	800 00
F. O. Loft:	Twelve do	Bursar's Clerk (including board allowance)	1,037 50
Mark Keilty:	Six do	Storekeeper (do)	541 00
J. F. Dwyer:	do	do	450 00
B. Winnifrith:	Twelve do	Steward	800 00
Jas. Barrie:	do	Trades Instructor	550 00
Alex. MacKenzie:	do	Tailor (board)	600 00
Robt. McCammon:	do	Baker (do)	525 00
Thos. Hughes:	do	Carpenter	600 00
Jas. Anthony:	do	do	550 00
Jno. Simons:	do	Painter	575 00
Jno. Daly:	do	Bricklayer and Mason	625 00
Jas. E. Noble:	do	Engineer	800 00
Jas. Young:	do	Assistant Engineer	400 00
C. F. Arnott:	do	Gardener (Farm)	532 00
W. P. Strickland:	do	do (Flower) (board)	475 00
W. J. Dundas:	Eight do	Attendant and Messenger	200 00
Wm. Clarkson:	Four do	do	88 00
F. J. Dundas:	Twelve do	Engine Driver	360 00
Stokers (2):	do		576 00
Jas Burrow:	Five do	Porter	125 00
Jos. McCallum:	Three do	do	68 76
Geo Maguire:	Four do	do	100 00
Night Watchmen (4)	Twelve do		1,084 76
Edward McGuire:	do	Chief Attendant	450 00
Richard McCreary:	do	Supervisor and Nurse	400 00
Male Supervisors (8)	do		2,834 88

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, TORONTO.—*Continued.*

SALARIES.—*Concluded.*

Male Attendants (19):	Twelve months' salary		4,700 53
Eliza Corley:	do	Matron	500 00
Mary McKinley:	do	Assistant Matron	300 00
K. P. McMillan: Four	do	Trained Nurse	80 00
Isabel Jackson:	do	do	48 00
M. J. Howie: Twelve	do	Musical Directress	240 00
Eva M. Cuthbertson:	do	Portress and Stenographer	225 00
Annie McWilliam:	do	Seamstress	168 00
Night Nurses (4):	do		583 76
Female Supervisors (8):	do		1,708 14
Nurses (20):	do		3,110 97
Laundresses (7):	do		1,224 51
Cooks (6):	do		946 57
Maids (4 :	do		506 13

EXPENSES ($76,961.34)

Aikenhead Hardware Co.: Locks, 24.50; scissors, 5.84; hardware sundries, 7.55 ..... 37 89

Allen S.: Vinegar, 205 gals., 44.78; barrels, 7.25 ..... 52 03

Subscriptions: *American Journal of Insanity*, 5.03; *Alienist and Neurologist*, 5.00 ..... 10 03

American Medico Psychological Assn.: Dues (2 years) 10 03

Burns P. & Co.: Coal contract, stove 208 tons, 1,980 lbs., at 6.12, 1,279.02; nut, 159 tons, 90 lbs. at 6.12, 973.36; soft screenings, 300 tons, 1,200 lbs. at 4.25, 1,277.55; soft lump, 509 tons, 360 lbs. at 5.25, 2,673.20; cord wood, 75 cords at 6.75, 506.25 ..... 6,709 38

Beardmore Belting Co.: Leather belting, 100 ft., 14.40; laces, 4.80 ..... 19 20

Beardmore & Co.: Shoe leather, 1,622 lbs., 409.90; tacks, rivets, thread, needles, &c., 49.77 ..... 459 67

Bigley, R.: Repairs, etc., 11.15; Brown Bros.: Stationery, 10.00 ..... 21 15

Byron, R. J.: Perforated seats, 20 doz., 28.00; window shades, 7.00 ..... 35 00

Butler, Jas.: Yarn, 400 lbs., 215.00; Bain Book & Stationery Co.: Subs. magazines, journals, etc., 41.15 ..... 256 15

Bonner, Jos.: Disinfectant, 40 gals., 100.00; roach powder, 50 lbs., 25.00 ..... 125 00

Bell Tel. Co.: Messages, 2.55; repairs, 4.30 ..... 6 85

Bursar: To pay sundry items 51 58

Cressman, A. W.: Ticking, 600 yds., 120.00; flannelette, 221 yds., 19.91 ..... 139 91

C. P. Industries: Blankets, 1,177 lbs., 505.75; tweed, 1,084 yds., 566.90 ..... 1,072 65

Can. Oil Co.: Benzine, 47 gals., 10.96; packing, 12 lbs., 8.40; gaskets, 6 lbs., 5.20; laces, 5 lbs., 3.50; whiting, 1 bbl., 2.98; belt dressing, 10 lbs., 3.50; engine oil, 50 gals., 18.85 ..... 53 39

Crawford, Jas.: Balance 1903 potato contract, 150⅔ bus., at .70 ..... 105 53

Campbell, A.: Bran, 12 tons, 174.00; Canada Biscuit Co.: Biscuits, 10.08 ..... 184 08

China Hall Co.: Fruit jars, 12 gro. 96.00; tumblers, 10 doz., 8.00; plates, 50 doz., 36.25; jugs, 6 doz., 15.00; bowls, 11 doz., 7.37; chambers, 2 doz., 6.40; sundries, 7.15 ..... 176 17

Carolan, J.: Bran, 14-770 tons, 244.52; corn meal, 2-190 tons, 42.31 ..... 286 83

Cameron, L. K.: Paper and stationery, 146.69; Chandler & Massey: Surgical appliances, etc., 214.82 ..... 361 51

Can. General Electric Co.: Electrical supplies, 78.78; Consumers Gas Co.: Gas, 3,118.17 ..... 3,196 95

Carbery, J.: Hay, 12-853 tons, 129.44; Corcoran, Jas.: Trav. expenses, 15.30 ..... 144 74

Subscriptions: *Can. Churchman*, 3.00; *Can. Laundryman*, 3.00; *Can. Grocer*, 2.00 ..... 8 00

Clark, D., M.D.: Balance *re* table allowance, 164.34; allowance *re* furniture and furnishings, 82.59 ..... 246 93

Doyle, The M., Fish Co.: Fish, 15,795 lbs., 1,263.60; herring, 1 bbl., 6.00 ..... 1,269 60

Dom. Radiator Co.: Castings, etc., 30.25; Duck, R. F.: Hay, 95-800 tons, 958.02 ..... 988 27

Dineen, W. & D. Co.: Straw hats, 20 doz., 60.00; Men's caps, 10 doz., 45.00 ..... 105 00

Donnelly, G. M., Jr.: Hay, 2-970 tons, 19.88; Dwyer, J. F.: Services as clerk, Bursar's office, 291.85 ..... 311 73

Eby, Blain Co.: Sugar, 43.580 lbs., 1,913.70; tea, 4,964 lbs., 1,241.00; table salt, 3 bbls., 8.80; biscuits, 108 lbs., 24.18; starch, 1.090 lbs., 74.03; jelly tablets, 3 doz., 3.00; chocolates, 100 lbs., 12.00; blueing, 50 lbs., 7.00; currants, 804 lbs., 49.42; sal soda, 11,250 lbs., 99.38; corn starch, 980 lbs., 58.40; tapioca, 1,713 lbs., 64.09; syrup, 4,948 lbs., 143.44; rice, 5.063 lbs., 196.64; paper bags, 6.80; candles, 36 lbs., 4.32; sundries, 45.23; pearline, 8 cases, 31.20;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, TORONTO.—*Continued.*

EXPENSES.—*Continued.*

raisins, 620 lbs., 56.55; sago, 1,842 lbs., 76.29; cod fish, 800 lbs., 52.50; canned vegetables, 58 doz. cans, 63.00; Macaroni, 45 lbs., 3.35; sardines, 50 lbs., 7.50; extracts, 4 doz., 16.00; chicken soup, 4 doz., 8.00; tobacco, 65 lbs., 27.55; sauces, 2 doz., 13.25; pails, 4 doz., 8.80; herring, 1 bbl., 6.50; asst. peel, 84 lbs., 10.40; nutmegs, 10 lbs., 7.50; molasses, 29 gals., 10.15 .... 4,349 97

Eckardt, H. P., & Co.: Sugar, 12,245 lbs., 572.72; starch, 240 lbs., 16.80; currants, 602 lbs., 43.20; tobacco, 54 lbs., 22.98; matches, 1 case, 4.50; sundries, 5.51; raisins, 340 lbs., 24.98; assorted peel, 42 lbs., 5.92 .... 696 61

Eddy, The E. B. Co.: Pails, 3 doz., 5.26; matches, 1 case, 4.00 .... 9 26

Edmison, H. H.: Drugs & chemicals 32 25

Flett, Lowndes & Co.: Linen thread, 13 lbs., 25.85; hair cloth, 25 yds., 6.75; canvas, 150 yds., 20.26; Italian, 28 yds., 18.36; silesia, 34 yds., 5.61; Holland, 137 yds., 21.92; scarlet cloth, 1¼ yds., 3.75; buttons, 28 gro., 30.13; cotton, 131 yds., 11.11; sundries, 12.84 .... 156 58

Fairles Milling Co.: Rolled oats contract, 100 bbls. at 3.85, 385.00; split peas contract, 21 bbls. at 4.60; 96.60 .... 481 60

Foy, Geo. J.: Spirits for medicinal purposes, 6.30; Fowler, J. B.: Services clerk Bursar's office, 262.00 .... 268 30

Frizzell, W.: Printing, etc., re religious services, 10.00; Fleischmann & Co.: Yeast, 314 lbs., 94.20 .... 104 20

Gowans, Kent & Co.: Cups, 30 doz., 13.50; bowls, 20 doz., 13.40; jugs, 4 doz., 12.00; plates, 10 doz., 7.00; chambers, 4 doz., 12.80; ewers, 2 doz., 7.20; saucers, 26 doz., 6.24; bakers, 10 doz., 7.00; china, glassware, etc., 13.93 .... 93 07

Godden, C. P.: Mop cloth, 41.76; jute, 49 lbs., 4.17; nails, 3 kegs, 8.75; castor oil, 2 gals., 3.00; Yale lock, 4.00; shears, 3 prs., 4.00; iron, hardware, etc., 60.50; Japan, 10 gals., 10.00; basins, 1 doz., 15.00; castings, etc., 94.10; iron pipe, 111 ft., 8.88; stair rods, 12.00; granite pans, 10.50; scoops, 1 doz., 15.00; packing, 15 lbs., 19.70; wrenches 2, 7.00; boiler, 15.00 .... 333 36

Gutta Percha & Rubber Mfg. Co.: Gaskets, 8 lbs., 5.76; packing, 14 lbs., 8.45; hose, 50 ft., 6.75; sundries, 8.32 .... 29 28

Gadsby & Peer: Straw, 12-1170 tons, 87.48; Gurney Foundry Co.: Repairing range, 11.46 .... 98 94

Grant, Hamilton Oil Co.: Sperm oil, 54 gals., 54.50; cyl. oil, 49 gals., 32.18; engine oil, 50 gals., 22.50; Japan, 10 gals., 12.50; boiler compound, 1 bbl., 51.40; sundries, 3.10; varnish, 5 gals., 20.00; parafine wax, 103 lbs., 9.78 .... 205 96

Globe Printing Co.: Subs. (2), 10.00; Grenadier Ice & Coal Co.: Ice, 414 tons, 323.30 .... 333 30

Gripton, C.: Indelible ink, 2 qts., 17.60; G. T. Railway Co.: Freight charges, 12.81 .... 30 41

Grant, J.: Expenses recovering eloper, 10.01; Golden, H.: Livery hire, 5.00 .... 15 01

Henry & Co.: Canned vegetables, 90 doz. cans, 99.30; Hillock, Jno., & Co.: Refrigerator, 15.75 .... 115 05

Higgins, W. R. G.: Locks, 168.00; sash cord, 50 lbs., 20.00; razors, 1 doz., 9.00 knives & forks, 5 doz., 12.00; cuspidors, 4 doz., 12.00; turpentine, 43 gals., 34.98; raw oil, 44 gals., 21.12; alabastine, 300 lbs., 19.50; putty, 205 lbs., 5.13 .... 303 73

Hunter, Moses: Shorts, 823 lbs., 8.23; oats, 163 bus., 55.80; barley, 21 bus., 10.07; straw, 12-960 tons, 77.85; wheat, 62 bu., 40.33; bran, 15-970 tons, 275.90; chopped oats, 6-490 tons, 131.15 .... 599 33

Howland, H. S., Sons & Co.: Tea spoons, 10 doz., 7.00; carvers, 12 pr., 11.40; screws, 9.36; wire nails, 2 kegs, 5.10; files, 4 doz., 9.24; iron, hardware, etc., 70.07; packing, 66 lbs., 10.56; rope, 200 ft., 6.10; spades & shovels, 3 doz., 32.35; wheelbarrows, 6.00; carpet sweepers, ½ doz., 12.00 .... 179 18

Harris Abattoir Co.: Pork, 24,657 lbs., 1,806.85; Hunter, R.: Purchase of meat, 12,997.65 .... 14,804 50

Hayhoe, R. B., & Co.: Tea, 488 lbs., 122.00; Hudgin, A.: Postage stamps, 78.00 .... 200 00

Hurd, H. E., V.S.: Professional services & medicines, 20.00; Hobbs Hardware Co.: Disinfectant, 65 gals., 63.84 .... 83 84

Hart & Riddell: Engraving die, 6.00; Hyatt, A.: Currants, raspberries, pears, etc., 374.00 .... 380 00

Inglis, Jno., & Co.: Castings, repairs to boilers, etc 122 88

Johnston, J. A., & Co.: Drugs & chemicals, 154.92; Johnson, Wm.: Horseshoeing, 53.54 .... 208 46

Jaynes Electrical Co.: Station dials 10 13

Knickerbocker Ice Co.: Ice 75 74

Kent, Ambrose & Sons: Spectacles, 7½ doz., 22.50; clock, 4.00; tea pot, 7.25 .... 33 75

Lott, Byron O.: Honey, 590 lbs., 53.10; Lytle, T. A., & Co.: Pickles, 7.86 .... 60 96

Lawrence, J. W.: Drugs & chemicals, 187.28; postage stamps, 24.00 .... 211 28

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, TORONTO.—*Continued.*

EXPENSES.—*Continued.*

Lawrason, S. F. & Co.:Powder ammonia, 3,249 lbs.... 494 94

Murray, W. A. & Co.: Felt, 20 yds., 15.00; sateen, 246 yds., 59.32; scrim, 21 yds., 4.62; muslin, 297 yds., 84.41; cretonne, 101 yds., 30.38; denim, 36 yds., 11.73; table linen, 15 yds., 18.00; gingham, 396 yds., 79.20; sundries, 2.20; serge, 30 yds., 15.00; fringe, 146 yds., 10.75; shirting, 41 yds., 6.97 .... 337 58

Mitchell, F. J. R.: Tea, 500 lbs., 125.00; May, S. & Co.: Bowling alley, pins & balls, 28.00 153 00

Mercer Reformatory: Clothing, making shirts, etc., 24.25; Madill, W.: Drugs & chemicals, 30.25.. 54 50

Mason, E. F., & Co.: Rice, 896 lbs., 33.60; tapioca, 633 lbs., 25.32; sago, 536 lbs., 24.12; pepper, 200 lbs., 43.00; mustard, 12 jars, 10.20; corn starch, 200 lbs., 14.00..... 150 24

Moore, Wm., & Son: Apples, 9 bbls., 21.00; apricots, 350 lbs., 37.88; sundries, 16.21; prunes, 5,550 lbs., 389.94; evap. peaches, 500 lbs., 50.00; berries, 171.67; bananas, 7.50; cherries, 31.25; lemons, 4.75; melons, 64.50; pineapples, 20 doz., 45.00; peaches, 60 baskets, 51.00; crab apples, 6 bbls., 21.00..... 911 70

Metropolitan Soap Co.: Laundry soap, 9,275 lbs., 463.75; Murphy, W. K.: Interments, 8.00 471 75

Matthews, F.: Smoking hams, 14.60; Matthews Bros.: Mantel mirror & top, 19.50.... 34 10

Miles, A. W.: Interments, 8.00; Might Directories: Directories (2), 12.00..... 20 00

Mason & Risch Piano Co.: Tuning pianos, 14.50; Mail Ptg. Co.: Subs. (2 copies), 8.00 22 50

Macdonald, Jno., & Co.: Ties, 8.70; towels, 27 doz., 49.00; denim 709 yds., 120.40; cotton, 3,134 yds., 296.93; serge, 123 yds., 205.88; lining, 112 yds., 13.87; towelling 1124 yds., 189.67; tape, 15 gro., 15.00; flannel, 2,643 yds., 279.86; pillow cotton, 210 yds., 26.54; print, 881 yds., 91.52; spools, 14 gro., 75.60; dress goods, 39 yds., 14.53; buttons, 6.50; shirting, 1,744 yds., 191.50; sundries, 55.19; sheeting, 2,345 yds., 520.26; braces, 10 doz., 20.00; laces, 14 gro., 15.30; cheese cloth, 336 yds., 15.14; mole, 39 yds., 19.50; frilling, 12 yds., 5.40; sateen, 68 yds., 8.50; tabling, 458 yds., 187.15; muslin, 513 yds., 113.19; socks, 20 doz., 45.00; batting, 6 bales, 37.50; linen, 916 yds., 144.30; quilts (4), 16.00; mitts, 10 doz., 30.00; napkins, 4 doz., 8.00; ticking, 457 yds., 82.17; duck, 52 yds., 7.62 2,914 72

McMahon, Broadfield & Co.: Ewers, 1 doz., 3.80; jugs, 4 doz., 14.40; chambers, 2 doz., 6.40; crates, 1.00 .. 25 60

McCann, Wm., Milling Co.: Chop feed, 11 tons, 230.28; pea meal, 11¼ tons, 276.06; barley, 53½ bus., 26.61; oats, 86 bus., 31.89; wheat, 11¼ bus., 7.94; bran, 1-1960 tons, 32.67; straw, 10 tons, 70.40.. 675 85

McWilliam & Everist: Lemons, 6.00; cranberries, 1 bbl., 9.50; apples, 5 bbls., 11.25; oranges, 5 boxes, 16.25 .. 43 00

McLaughlin, M. & Co.: Flour contract, 411 bbls. at 3.55, 1,459.05; 739 bbls. at 3.7', (16c. additional), 2,741.69 .. 4,200 74

Mackenzie & Co.: Framing pictures, 6.50; McKay, Alex.: Services temporary baker, 30.00 36 50

Nisbet & Auld: Tweed, 354 yds. .. 323 54

Nelson, H. W. & Co.: Brooms, 45 doz., 120.15; playing cards, 6 doz., 7.20; fibre pails, 6 doz., 28.00; sundries, 9.52; combs, 2 gro., 15.00; brushes, 4 doz., 10.00; mirrors, 5.25; whisks, 3 doz., 5.06 .. 200 18

Ontario Rubber Co.: Hospital sheets, (24) 46.80; jar rings, 10 gro., 3.50; hose, 50 ft., 6.25 56 55

Ormond & Walsh: Drugs & chemicals .. 31 10

Park, Blackwell Co.: Creamery butter contract, 21,542 lbs. at .20½ 4,416 14

Pugsley, Dingman & Co.: Laundry soap, 1,267 lbs., 250.68; blueing, 5 lbs., 6.50; borax, 100 lbs., 5.00 .. 262 18

Queen City Oil Co.: Sperm oil, 25 gals., 36.21; coal oil, 44 gals, 8.06; parafine wax, 100 lbs., 7.00 .. 51 27

Ryan, The Wm., Co.: Creamery butter contract, 1,120 lbs. at .20 7-8, 233.80; eggs, 4,154 doz., 880.78; turkey, 1,027 lbs., 184.86; geese, 512 lbs., 61.44; chickens, 182 lbs., 20.02; cheese, 2,490 lbs., 253.96; sausage, 2,100 lbs., 160.00; salt, 60 bbls., 90.00; marmalade, 1,638 lbs., 107.81; asst'd jam, 169 lbs., 10.92; corn meal, 14 bbls., 56.50; pot barley, 25 bbls., 113.75; sundries, 7.90; evap. apples, 1,500 lbs., 100.00; maple syrup, 52 gals., 52.00; beans, 40 bus., 62.89; table salt, 7 bbls., 20.25; pickles, 6 doz., 9.00; bacon & ham, 163 lbs., 21.44; lard 100 lbs., 9.00; .. 2,456 32

Rutherford, Marshall & Co.: Butter contract, 6,426 lbs. at .16¾ .. 1,076 35

Rogers Furniture Co.: Secretary, 12.00; Morris chair, 10.75; centre table, 10.75; sundries, 1,35; tow, 275 lbs., 11.00 .. 45 85

Rogers, Elias, Co.: Coal contract, grate, 1,007 tons at 5.92, 5,961.44; soft screenings, 215 tons at 3.05, 655.75 .. 6,617 19

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, TORONTO.—*Concluded.*

EXPENSES.—*Concluded.*

Robertson, The Jas., Co.: Castings, repairs, etc., 119.37; Rathbone, G.: Sawdust, 55 bbls., 5.50 ..... 124 87
Rogers, Chas., & Sons Co.: Tow, 275 lbs., 11.00; twine, 20 lbs., 7.00; webb, 5 pieces, 6.00 ..... 24 00
Rennie, W.: Seeds, bulbs, etc., 28.00; Ritchie, Jno.: Hay, 6½ tons, 66.21 ..... 94 21
Sullivan, J. C.: Tea, 500 lbs., 125.00; Sumbling, W. H.: Refg. steam cookers, 26.40. ..... 151 40
Sundry newspapers: Advertising *re* supplies. 135.60; *re* fuel, 80.50..... 216 10
Sutcliffe, J., & Sons: Cotton, 916 yds., 86.71; sheeting, 915 yds., 105.22..... 191 93
Swan Bros.: Coffee, 600 lbs., 134.90; pearline, 6 cases, 23.40; paper, 2 reams, 6.66; pickles, 2 doz., 7.00; sapolio, 2 cases, 5.50; baking powder, 240 lbs., 60.00; sago, 531 lbs., 21.24; raisins, 140 lbs., 9.80; biscuits, 27.54; salmon, 1 case, 7.00; cocoanut, 50 lbs., 7.50; extracts, 13 doz., 29,25; sundries, 19.50; pepper, 100 lbs., 20.00; cinnamon, 10 lbs., 4.00 ..... 383 29
Stewart & Wood: Varnish, 5 gals., 8.75; white lead, 1,059 lbs., 48.72; paints & oils, 47.25; alabastine, 200 lbs., 13.00; shellac, 5 gals., 12.50; whiting, 420 lbs., 4.20..... 134 42
Sanderson & Rossiter: Brooms, 2 doz., 10.00; scrubs, 16 doz., 23.20; sundries, 4.70; shoe brushes, 1 doz., 2.75; Kalso brushes, 2 doz., 18.00 ..... 58 65
Smith, J. B. & Sons: Dressed pine, 1,018 ft., 86.53; lumber, 5,663 ft., 206.32; quarter round, 1,000 ft., 15.00 ..... 307 85
Stewart, J. J.: Hay, 36½ tons, 427.53; Skean Jas.: Hay, 30¾ tons, 360.47..... 788 00
Steele, Briggs Seed Co.: Seeds, bulbs, etc., 91.41; Lawn mower, 13.00 ..... 104 41
St. Michael's Cathedral: Cab hire *re* religious services 150 00
Toronto Coffee & Spice Co.: Coffee, 550 lbs., 137.50; pepper, 200 lbs., 39.50; ginger, 10 lbs., 2.50; baking powder, 200 lbs., 36.00 ..... 215 50
Turnbull, J. C. & Co.: Sheeting, 1,325 yds., 315.19; Turner & Porter: Interments, 24.00 ..... 339 19
Toronto Laundry Mach'y Co.: Repairs to mach'y, 38.00; laundry mach'y 115.00.... 153 00
Taylor, Jno. & Co.: Toilet soap, 201 doz., 90.00; laundry soap, 10,047 lbs., 401.88.... 491 88
Timpson, G. J.: Music supplied, 132.00; Toronto Railway Co.: Car tickets, 113.64 ..... 245 64
Toronto Electric Light Co.: Electric light, 860.01; repairs, 7.10..... 867 11
Toronto Elevator Mfg. Co.: Repg. elevator, 7.00; Toronto Hardware Mfg. Co.: Grates, 26.00 ..... 33 00
Vance & Co.: Potato contract, 2,379 bus. at .69..... 1,641 59
Warren Bros. & Co.: Sugar, 3,084 lbs., 139.71; Warwick Bros. & Rutter: Printing and binding, 118 55 ..... 258 26
West Chemical Co.: Disinfectant, 44 gals., 44.00; Winnifrith, B.: Admissions to circus, 25.00 ..... 69 00
Whillans, R. & Co.: Fire bricks, 1,000, 35.00; fire clay, 1,000 lbs., 10.00; cement, 11 bbls., 30.25; lime, 3,000 lbs., 11.00; gravel, 4 yds., 3.50; sand, 2.50; sundries, 8.00 ..... 100 25
Wheeler & Bain: Iron, 103 lbs., 13.91; solder, 40 lbs., 9.40; lanterns, 1 doz., 13.00; galvanized iron, 24 sheets, 27.00; tin, 27.60; iron, tinware, etc., 5.95..... 96 86
Wilson, C. & Son: Rep'g. scales, 12.20; Williams, A. R. Mach'y. Co.: Valve re-seating machine, 40.00 ..... 52 20
Wicks, S.: Apples, 20 bbls., 42.50; hay, 2-1320 tons, 27.93 ..... 70 43
Water Works Dept.: Water, 2,155.83; Wells, Josephine: Dentistry, 323.50..... 2,479 33
York Mfg. Co.: Duck, 108 yds., 74.52; repairs, 10.40 ..... 84 92
Sundry persons: Accounts unenumerated under 10.00 ..... 58 92
W. J. Harris, M.D.: Services as relieving officer, 44 days 119 56

ASYLUM FOR INSANE, LONDON.

SALARIES ($43,950.80).

G. A. McCallum, M.D.:	Twelve months' salary as	Medical	Superintendent	2,000 00
H. E. Buchan, M.D.:	do	Assistant	do	1,300 00
R. W. Bell, M.D.:	Ten and one-fourth do	First Asst.	Physician	941 04
P. Macnaughton, M.D.:	Twelve do		do	971 67
W. T. Wilson, M.D.:	One and three-fourths do	Second	do	137 21
C. A. Sippi:	Twelve months' salary as	Bursar		1,400 00
David Rodger:	do	Bursar's Clerk		800 00
D. MacKenzie:	do	Storekeeper		1,000 00

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, LONDON.—*Continued*

SALARIES.—*Continued.*

N. K. Wanless:	Twelve months' salary as	Assistant Storekeeper	600 00
Jas. B. Duff:	do	Baker	433 32
F. H. Bailey:	Two do	Assistant Baker	36 00
Geo. Thurling:	Twelve do	Butcher	360 00
Alex. Macfie:	do	Engineer	740 00
Geo. Ross:	do	1st Asst. Engineer	400 00
Andrew Dick:	do	2nd do (lunch)	420 00
Wm. England:	do	Laundryman	300 00
A. A. Boston:	do	Engineer	360 00
Stokers (7):	do		1,768 26
Jno. A. Stewart:	do	Carpenter	550 00
Fred. MacVean:	do	Assistant Carpenter	500 00
T. Westcott:	do	Plasterer and Bricklayer	600 00
Wm. Noble:	do	Painter (board)	420 00
Edward Blake:	do	Tailor	460 00
R. W. Scott:	do	Shoemaker	300 00
D. Parker:	One do	Steamfitter	25 00
Wm. Murdock:	Twelve do	Farmer	650 00
Jno. Gale:	do	Plowman	300 00
Farm Hands (3):	do		780 00
Geo. W. Rennie:	do	Gardener and Steward	750 00
Jas. Gall:	do	Asst. Gardener	300 00
Amos Duval:	do	2nd Asst. do	300 00
R. Flynn:	do	Caretaker—Sewage Fields	384 00
M. A. Pope:	do	Matron	500 00
E. S. Parker:	do	Asst. Matron	300 00
C. Lamont:	Three do	Housekeeper	45 00
Cooks (6):	Twelve do		1,028 59
Housemaids (8):	do		1,021 80
Laundresses (4):	do		728 00
M. O'Loughlin:	do	Tailoress	192 00
F. Morton:	do	Asst. Tailoress	168 00
Penelope Gall:	do	Typewriter and Portress	224 96
M. Doyle:	do	Asst. Portress	144 00
Chief Male Attendants (3):	do		1,203 46
Male Supervisors (8):	do		2,609 36
Male Attendants (31):	do		7,894 57
M. A. Meehan:	do	Chief Female Attendant	250 00
Female Supervisors (9):	do		1,657 50
Female Attendants (34):	do		5,082 56
Female Night Attendants (2):			374 50
J. Cadenhead:	do	Trained Nurse	240 00

EXPENSES ($93,834.38.)

Anderson, Jas. I. & Co.: Stationery, 20.46; Anderson, Jas.: Hay, 5-560 tons, 42.24.... 62 70
Allen, S.: Vinegar, 212 gals., 46.79; *Amer. Journal of Insanity*: Sub., 5.00..... 51 79
Anderson & Nelles: Nitrate of soda, 1,000 lbs., 47.50; drugs & chemicals, 136.20.... 183 70
Am. Medico Psychological Assn.: Annual dues..... 5 00
Angus, Geo.: Admissions of patients to circus..... 26 00
Belton, Geo. H.: Picture moulding, 1,000 ft., 15.00; elm, 2.000 ft., 90.00; matched lumber, 1.000 ft., 30.00; dressed pine, 2.025 ft., 131.63..... 266 63
Blackwell, D.W.: Enamelled beds (3), 47.00; springs, 12.00; bolster, 2.00..... 61 00
Blanchard, Thos.: Fish, 6,375 lbs., 573.75; Bowes, Jas., Turkeys, 290 lbs., 34.80.... 608 55
Bailey, Alfred: Turkeys, 229 lbs., 32.06; apples, 20 bbls., 27.00..... 59 06
Burns, Jas. & Son: Horseshoeing, 45.25; Bovril, Limited: Bovril, 1 doz., 15.00..... 60 25
Brock, G. S.: Moss, 1,052 lbs., 105.20; Bursar: To pay sundry items, 41.93..... 147 13
Bell Tel. Co.: Messages, 6.25; repairs, 7.50..... 13 75
Cowan, Jas. & Co.: Cross cut saws (2), 8.25; axes, ½ doz., 7.50; glass, 11.00; iron pipe, 669 ft., 42.68; cyl. oil, 41 gals., 24.60; engine oil, 49 gals., 19.60; whips, ½ doz., 6.00; W. W. brushes, ½ doz., 13.50; garden tools, 87.00;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, LONDON.—*Continued.*

EXPENSES.—*Continued.*

razors, ½ doz., 7.50; hair clippers, ¼ doz., 8.25; straps, ½ doz., 4.50; latches, 7.50; wire cloth, 30 yds., 8.25; spades, ½ doz., 10.50; picks & handles, ½ doz., 7.50; iron hardware, etc., 32.75	306 88
Canadian Oil Co.: Cylinder oil, 42 gals., 25.78; shafting oil, 39 gals., 11.37	37 15
Crown Chemical Co.: Soap, 1,900 lbs., 133.00; Cameron, L. K.: Staty. & paper. 24.50	157 50
Cawthorpe & Sons: Flour contract, 1,773½ bbls. at 3.74	6,632 89
Craig, W. J.: Hardwood contract, 133½ cords at 6.75, 091.36; cement, 8 bbls., 14.40; dressed lumber, 5,000 ft., 215.00	1,130 76
C. P. Industries: shoes, 175 prs., 267.75; tweed, 203 yds., 101.50; blankets, 2,649 lbs. 1,192.05; slippers, 120 prs., 156.00;	1,717 30
Chandler & Massey:.. Carbolic acid, 11.73; surgical appliances, 3.19	14 92
Clark, Thos.: Straw, 7.610 tons, 36.52; Cotter, Jas.: Apples, 14 bbls., 18.90	55 42
Cunningham, Thos.: Apples, 8 bbls., 10.80; Collector of Customs: Duty charges. 24.10	34 90
City Gas Co.: Gas, 3,379.60; repairs, 12.25	3,391 85
Citizens' Gas Control Co.: Rent of gas governor to 31st Dec. 1903	200 00
Cairncross & Lawrence: Drugs & chemicals, 209.40; Collins, W. J.: Paste, ½ doz., 10.00	219 40
Can. Express Co.: Express charges, 9.65; C. P. Railway: Freight charges, 3.08	12 73
Catholic Record: Subs., 4 copies (4 years), 16.00; candles, 4.90	20 90
Dart, S.: Straw, 13½ tons, 67.55; Dexter, T. & Son: Bran, 7 tons, 130.00	197 55
Darch, J. & Sons: Horse blankets, (6), 9.00; harness repairs, 10.45	19 45
Dayman, W. H.: Clothes baskets, 4 doz., 36.00; Doan, H.: Exps. recovering eloper, 32.75	68 75
Elliott, Marr & Co.: Sugar, 21,259 lbs., 859.75; syrup, 2 bbls., 33.44; currants, 125 lbs., 6.88; raisins, 2,072 lbs., 136.50; blueing, 300 lbs., 51.00; scrubs, 1 doz., 4.75; tapioca, 489 lbs., 16.33; blacking, 1 gro., 9.00; soap, 11.40; pails, 8 doz., 15.70; starch, 1,200 lbs., 78.00; tobacco, 775 lbs., 311.75; mustard, 24 jars. 18.00; almonds, 532 lbs., 66.50; corn starch, 40 lbs., 2.70; matches, 7 cases, 21.00; sal. soda, 1,405 lbs., 12.64; prunes, 1,800 lbs., 78.00; oranges, 5.50; corn, 8 doz. cans, 9.00; peaches, 4 cases, 20.80; berries, 11.20; sundries, 62.00	1,841 84
Element, W. J.: Land tile, (500), 18.00; traps, 3.00; pipe, elbows, etc., 21.20; lime, 5 bbls., 4.25	46 45
Electric Boiler Compound Co.: Boiler compound, 2,842 lbs	113 68
Ferguson, Jno. & Sons: Operating chair, 35.00; leather, 55 yds., 55.00; perf. seats, 13.14; dresser & stands, (2), 26.00; mirrors, (4), 7.00; chair, 5.50; sundries, 6.50	148 14
Fraser, McMillan & Co.: Straw hats, 5 doz., 27.00; Ferrol Co.: Ferrol, 12 doz., 39.60	66 60
Farm Exchange Acct.: Eggs, 1,898 doz., 342.15; chickens, 524 lbs., 46.10; dressed pork, 4,869 lbs., 270.14	658 39
Fitzgerald, Thos. J.: Brooms, 10 doz., 24.00; Foster, J. G. & Co.: Directories, (2), 6.00	30 00
Gorman, Eckert & Co.: Coffee, 4,713 lbs., 1,218.48; rye, 560 lbs., 22.40; chicory, 280 lbs., 36.40; vanilla, 2½ gals., 25.00; lemon, ½ gal., 5.00; pepper, 280 lbs., 62.40; cinnamon, 8 lbs., 3.25; nutmegs, 10 lbs., 8.00; ginger, 15 lbs., 4.25; sundries, 7.73	1,392 91
Girvin, D.: Veal, 1,775 lbs., 133.54; beef, 685 lbs., 44.52	178 06
Green, Jno. C. & Co.: Lace, 42.90; net, 7.93; hats, 21.66; ribbon, 14.41	86 90
Gas Appliance Co.: Mantels, globes, etc., 19.50; Gerry, Jno.: Straw, 5⅔ tons, 28.82	48 32
Grant, M.: Part payment in settlement of agreement between London Twp. council and London St. Railway Co., in consideration of city rates between London and Pottersburg	50 00
Gale, Jno.: Allowance in lieu of board, 100.00; Gammage, J. & Sons: Seeds & bulbs, 38.59	138 59
Gurney Foundry Co.: Grate bars, 7.58; Graves, O. B.: Picture mouiding, 90 ft., 6.30	13 88
Gerry, Wm.: Grill work, 30.00; Galbraith, Robt.: Honey, 548 lbs., 49.32	79 32
Gillean, Thos.: Spectacles, 12 doz., 48.00; clocks, 6.00	54 00
G. N. W. Telegraph Co.: Telegrams, 8.18; G. T. Railway Co.: Freight charges, 63.63	71 81
Hobbs Mfg. Co: Glass, 94.89; brass rods, 5.00	99 89
Hobbs Hardware Co.: Valves, 38.18; step ladders, (6), 4.40; coiled springs, 9.50; shellac, 8 gals., 25.00; iron pipe, 329 ft., 14.47; belting, 94 ft., 31.24; packing, 101 lbs., 34.51; zinc, 150 lbs., 12.00; varnish, 5 gals., 7.50; Japan, 5 gals., 4.50; turpentine, 133 gals., 115.58; benzine, 134 gals., 28.39; steel, 344 lbs., 13.76; tin, 28 lbs., 9.80; putty, 2 bbls., 15.83; meth. spirits, 5 gals., 9.60; asbestos, 400 lbs., 8.40; raw oil, 136 gals., 66.44; lard oil, 246 gals., 243.98; castings, 7.40; paints & oils, 79.49; nails, 1 keg, 3.20; disinfectant, 137 gals., 171.89; asst'd knives and spoons, 52.12; sheet rubber, 64 lbs., 15.36;	

COLONIZATION ROADS.—*Continued.*

ASYLUM FOR INSANE, LONDON.—*Continued.*

EXPENSES.—*Continued.*

white lead, 1,800 lbs., 89.25; shovels, 1½ doz., 9.77; snow shovels, ½ doz., 4.50; iron hardware, etc., 121.12; spades, 1 doz., 9.60; manure forks, 1 doz., 10.00; steam pipe, 11.52; rubber hose, 300 ft., 40.00; paint brushes, 1 doz., 26.40; cement, 3 bbls., 5.70	1,351 40
Hamilton, A. M. & Son: Land salt, 80 bags, 72.00; linseed meal, 3.00; paris green, 60 lbs., 12.00; barley, 25 bus., 18.75; seeds, etc., 159.95; insect powder, 15 bbls., 60.00; split peas, 7 bags, 21.00; oats, 375 bu., 151.75; land plaster, 50 bags, 30.00; beans, 11 5-6 bu., 21.00; binder twine, 7.00	556 45
Heighway, F. W.: Traces, 27.00; rep'g harness, 23.35; bridles, 1 pr., 5.00	55 35
Heaman, W. & Son: Lime, 12 bbls., 11.40; fire clay, 850 lbs., 8.50	19 90
Heaman, Geo.: Rep'g vehicles, 25.65; Hunter, R.: Purchase of meat, 13,384.62	13,410 27
Hueston, R.: Cab hire re religious services	75 00
Heighway, R. B.: Sub. Asylum Bowling Club	25 00
Hagen, A. T. Co.: Repairs laundry machy., 38.10; Hobbs, Jno., brooms, 15 doz., 36.00	74 10
Husband, Jas. & Son: Honey, 1013 lbs, 91.17; Heaman, Jno.: veal, 112 lbs, 8.40	99 57
Independent Cordage Co.: Twine, 15.75; Irwin, Ch.: pillow ventilators, 12 doz, 6.00	21 75
Johnson, J. L.: Cups, 94 doz., 99.00; plates, 32 doz., 30.40; tumblers, 102 doz., 73.35; chambers, 7 doz., 32.75; jugs, 1 doz., 6.00; basins, 3 doz, 17.50; ewers, 3 doz., 18.00; soap dishes, 1 doz., 4.50; soup plates, 25 doz., 25.00; cov'd. dishes, 2 doz., 15.00; bowls, 10 doz., 12.00; sundries, 1.50	335 00
Johnston, Chas. D.: Boots and shoes, 153 pairs,	235 55
Kerrigan Hardware Co.: Disinfectant, 120 gals.	150 00
Kingston Aslyum: Scrub brushes, 74 doz., 157.00; Kernohan & Ferguson: Lumber, 92.42;	249 42
Keene Bros.: Chairs, 6.75; table, 4.00	10 75
Lind, Kerrigan & Co.: Sugar, 38,747 lbs., 1,767.22; prunes, 1600 lbs., 77.00; rice, 3.808 lbs., 154.28; currants, 928 lbs., 54.44; matches, 5 cases, 8.10; scrubs, 1 doz., 4.75; pails, 1 doz., 1.90; raisins, 560 lbs., 42.00; syrup, 102 gals., 55.70; chocolate, 12 lbs., 3.60; mustard, 12 jars, 9.00; starch, 200 lbs., 11.00; laundry soap, 612 lbs., 18.36; soap, 5.76; tobacco, 179 lbs., 75.01; sundries, 13.05;	2,281 17
Leith, Geo.: Rolled wheat contract, 178 bbls., @ 2.45, 432.54; oatmeal contract, 123½ bbls., @ 3.70, 456.95; salt, 46 bbls., 56.45; table salt, 5 bbls., 14.15; corn meal, 65 bbls., 247.00; pot barley, 14.80; land salt, 14 tons, 68.98; flour, 2.35	1,293 22
London Soap Co.: Toilet soap, 80 boxes, 242.10; toilet soap, 3½ gro., 13.00; laundry soap, 12,961 lbs., 583.24	838 34
London Hat & Mantle Mfg. Co.: Tweed, 826 yds.	322 14
London Engine Supplies Co.: Repairs, castings, etc.	67 29
London Brass Works Co.: Castings, 26.21; brass hinges, 23.50; keys, 5.60	55 31
London Crockery Co.: Chinaware, etc., 10.35; tea cups, 6 doz., 7.50; tumblers, 23 doz., 14.80; platters, 1 doz., 9.00; chambers, 5 doz., 20.00	61 65
London Shoe Co.: Boots and shoes, 442 prs.,	633 07
London Ammonia Co.: Ammonia, 814 lbs.,	48 84
London Advertiser: Subs., 20.00; advertising, 5.60	25 60
London St. Railway Co.: Car tickets, 44.65; carrying mail, 125.00	169 65
London Ptg. & Lithg. Co.: Lithographing diplomas for graduate nurses	28 00
Lacey, R. F. & Co.: Shoe leather, 242 lbs., 59.32; tacks, rivets, thread, etc., 5.75	65 07
Lind, Wm.: Wax, 558 lbs., 55.80; Ludwig, L. V., vinegar, 514 gals., 92.52	148 32
Leonard, E. & Son.: Repairing boilers, etc.	130 67
Marshall, Jno. & Co.: Hats, 35 doz., 88.25; caps, 6 doz., 36.00; blankets, 36, 59.40; mitts, 12 doz., 57.60	241 25
Meek & Vining: Drugs and chemicals, 136.75; Matheson, N.: Yarn, 200 lbs., 80.00	216 75
Malloch, Wm. & Co.: Castings, 36.40; wood split pulleys, 28.45	64 85
Murphy, F. G.: Turkeys, 876 lbs., 122.64; bacon, 270 lbs., 37.68	160 32
Masuret, M. & Co.: Sugar, 65.99 lbs., 255.99; mustard, 24 jars, 19.80; soap, 10.45; laundry soap, 4,050 lbs., 121.50; prunes, 1,200 lbs., 72.00; matches, 5 cases, 8.00; sago, 160 lbs., 7.20; currants, 922 lbs., 50.71; tapioca, 180 lbs., 5.40; blueing, 120 lbs., 20.40; sal. soda, 750 lbs., 6.75; laundry starch, 200 lbs., 13.00; canned vegetables, 18 doz., 19.00; canned fruit, 8 doz., 12.00; tobacco, 90 lbs., 37.80; rice, 1,396 lbs., 52.35; syrup, 103 gals., 36.05; sundries, 32.47	780 87
Muxworthy, Thos.: Blacksmithing, 7.60; Muir & Co.: Yarn, 300 lbs., 165.00;	172 60
Metropolitan Soap Co.: Laundry soap, 1,837 lbs.	80 25

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, LONDON.—*Continued.*

EXPENSES.—*Continued.*

McBrearty, M.: Trav. Expenses, 16.25; McMurphy, D.: Maple syrup, 36 gals., 44.65 .. 60 90
McLean, G.: Axes, ½ doz., 6.00; handles, 1 doz., 4.00 ..... 10 00
McClary Mfg. Co.: Repg. sterilizer, 16.00; grate bars, 10.40..... 26 40
McLeod, N.: Cheese, 2,649 lbs., 314.75; McDowell Ginseng Garden, plants, 10.00.... 324 75
McPhillips, W.: Repg. musical instruments, 5.08; sheet music, 2.00 ..... 7 08
MacCallum, G. A., M.D.: Balce. re table allowance, 378.11; allowance *re* furniture and furnishings, 86.18; trav. exps., 25.25; expenses attending medical convention, 100.00 ..... 589 54
Nordheimer Piano Co.: Repairing piano 75 00
O'Mara, M.: Turkey, 129 lbs., 19.43; lard, 2,100 lbs., 234.00; bacon and ham, 528 lbs., 81.07 ..... 334 50
O'Meara, P.: Cab hire *re* religious services 82 00
Peoples' Coal Co.: (Balance 1903 coal contract) small egg, 1,660 tons, 580 lbs., @ 6.00, 9,958.74; stove, 58 tons, 1,350 lbs. at 6.00, 352.05; nut, 22-900 tons at 6.00, 134.70; (1904 contract), small egg, 1616-130 tons at 6.00, 9,696.39; stove, 402-1500 tons at 6.00, 2,416.50; nut, 100-840 tons at 6.00, 602.52; soft, 165-030 tons at 4.00, 660.06; briar hill, 26-1660 tons at 5.00, 134.15 ..... 23,955 11
Purdom, Gillespie Hardware Co.: Glue, 285 lbs., 71.25; wire nails, 10 kegs, 28.80; rope, 3.83; sand paper, 1 ream, 5.50; wire netting 50 yards, 6.00; casters, 38 sets, 10.50; keys, 6.24; green wire, 25 yards, 6.25; lace leather, 5.21; locks, 37.40; latches, 4.50; japan, 5 gals., 6.00; scoops, 7.50; mops, ½ doz., 4.50; iron hardware, etc., 224.85; plaster paris, 5 bbls., 12.50; flue brushes, 12.00; repg. farm implements, 70.70; hinges, 2 sets, 10.00; scythes, 9, 11.25; twine, 25 lbs., 10.20; glass, 9.00; lawn mower, 12.00; scythe stones, 4 doz., 5.40; galv. wire, 153 lbs., 6.12; pruning knives, ½ doz., 4.80; snaths, ½ doz., 4.50; shovels, ½ doz., 4.50; table spoons, 6 doz., 7.50 ..... 608 80
Perrin, D. S. & Co.: Candy, 461 lbs., 59.87; biscuits, 1.819 lbs., 168.44 ..... 228 31
Partridge, Thos. L.: Plumbers' supplies, etc., 79.34; postmaster, rent P. O. Box, 6.00 86 34
Queen City Oil Co.: Cylinder oil, 88 gals., 52.80; shafting oil, 135 gals., 35.46; boiler, compound, 50 gals., 22.50; parafine wax, 751 lbs., 69.09 ..... 179 85
Quigley, W. D.: Shoe leather, 458 lbs., 120.34; tacks, rivets, thread, etc., 16.23.... 136 57
Robinson, Little & Co.: Shirting, 3,019 yds., 369.11; sheeting, 4,161 yds., 643.77; shirts, 10-12 doz., 7.29; combs, 69.95; tweed, 77 yds., 38.50; flannel, 53 yds., 12.78; dress goods, 154 yds., 64.93; lining, 33 yds., 5.94; print, 1,501 yds., 150.15; towelling, 1,449 yds., 220.83; canvas, 350 yds., 40.25; pillow cotton, 308 yds., 35.00; cotton, 1,530 yds., 115.92; yarn, 138 lbs., 50.85; angola, 807 yds., 97.68; quilts, 207, 210.97; thread, 32.85; muslin, 264 yds., 35.64; tabling, 1,008 yds., 420.56; sundries, 72.69; ticking, 403 yds., 78.59; warp, 50 bdles, 55.75; creton, 76 yds, 18.24; flag, 7.50; gingham, 123 yds., 8.02; curtains, 10 prs., 36.75; rugs, 12.85; dowlas, 419 yds., 105.61; crash, 50 yds., 4.00; napkins, 4 doz., 10.87; table cloths, 16.70; towells, 2 doz., 6.35; buttons, 17.14; flannelette, 1,436 yds., 162.68; braces, 18 doz., 40.50; linenette, 55 yds., 5.50; shawls (101), 47.76; ties, 6 doz., 12.60; handkerchiefs, 13 doz., 8.84; hose, 6 doz., 20.02; mufflers, 5 doz., 15.37;..... 3,337 30
Reid, W. J. & Co.: Tea set, 5.00; tumblers, 1 doz., 3.50; chinaware, etc., 4.50; crocks, 2 doz., 16.80 ..... 29 80
Reid Bros & Co.: Playing cards, 6 doz. packs, 13.50; stationery, etc., 287.95; blank books, 192.50; toilet paper, 2 cases, 16.00; locks, 15.00; document holders, 11.82 536 77
Rolph, Smith Co.: Stamping, 5.00; Rolph, Clark Co.: Embossing, 8.75 ..... 13.75
Robson, W.: Turkeys, 600 lbs., 90.00; geese, 979 lbs., 97.90..... 187 90
Rennie, Geo. W.: Music supplied (concert), 35.00; Rice, E.: Horseshoeing, 87.61.. 122 61
Ryan, C.: Turkeys, 500 lbs., 60.00; Rigney, W. G.: Turkeys, 590 lbs., 67.85..... 127 85
Struthers, R. C. & Co.: Ticking, 1,251 yds., 215.68; warp, 30 bundles, 36.25; batting, 6.50; cotton, 8,498 yds., 640.40; serge, 271 yds., 613.69; tweed, 790 yds. 395.14; crash, 850 yds., 76.00; scrim, 234 yds., 22.86; stair linen, 55 yds., 7.38; print, 1,759 yds., 175.90; shirting, 3,023 yds., 359.62; denim, 181 yds., 33.57; towelling, 257 yds., 26.70; towels, 3 doz., 7.50; spools, 111.07; braces, 8 doz. pr., 18.30; flannelette, 206 yds., 25.71; muslin, 294 yds., 31.90; sundries, 86.62; quilts (101), 98.50; lawn, 30 yds., 4.50; selicia, 51 yds., 8.76; scrim, 43 yds., 4.30; canvas, 275 yds., 32.25; lining, 33 yds., 6.20; mole, 69 yds., 11.38; buttons, 7.33; scarlet cloth, 5 yds., 15.00; cottonade, 92 yds., 16.10; hoods, 2½ doz., 12.50 ..... 3,107 61
Sanborn, G. W. & Co.: Tea, 2,100 lbs., 462.00; Stroyan, A. G., cab hire *re* religious services, 8.00 ..... 470 00

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, LONDON.—*Concluded.*

EXPENSES.—*Concluded.*

Screaton, A. & Co.: Curtains, 7 prs., 35.00; holland. 75 yds.. 17.00; fringe, 60 yds, 6.00; sundries, 72.00; mats, 2 doz., 27.00; carpet, 67 yds., 73.94; shades, 6.50; linoleum, 66 yds., 42.90; upholstering, 8.75; rugs, 13.00; madras, 32 yds., 16.00; sash net, 15 yds., 4.50; velour, 7 yds., 7.00; silkoline. 20 yds., 4.00.....	333 59
Sundry Newspapers: Advertising *re* supplies, 213.00; *re* fuel, 89.75....	302 75
Stevely, Wm. & Son: Milk cans, 4, 30.00; gas globes, 9 doz., 31.50; kettles, 5, 9.25; iron tinware, etc., 166.75; metal ceiling, 35.00; smoke pipe, etc., 28.00; repairs, 15.60; lantern globes, 12 doz., 17.70; lanterns, 1 doz., 9.00; tin, 13.50; galv. iron, 242 lbs., 12.90; charcoal, 13 bus., 3.25; solder, 13 lbs., 3.25; rod iron, 100 lbs., 3.50; zinc, 28 lbs., 2.24; granite chambers, 6 doz., 54.00; pails, 3, 6.00	441 44
Stevens, The J. & Son Co.: Medical appliances, ...	69 11
Stanley, N. J.: Turkeys, 390 lbs., ...	46 80
Strong, W. F.: Marking ink. 5 qts., 32.00; sperm oil, 2 gals., 3.50; sundries, 41.13; baking powder, 52 doz.. 158.75; brushes. 1 doz.. 9.00; fly paper, 2 cases, 12.50; drugs and chemicals, 234.78	491 66
Skuse: Lime, 48 bbls., 38.70; hair, 2 bags, 2.20; Schabacker & Co.: Doors, 12, 15.00....	55 90
Sifton & Co.: Postage stamps, 153.50; stationery, 18.50; diaries. 12.00; delivery of mail, 1 year 24.00; plates, 100 doz., 78.80; bibles. (6), 6.00; testaments. 6, 4.50; subs. magazines, etc., 64.40; cups and saucers, 30 doz., 28.50; soup plates, 30 doz., 26.10; jugs, 4½ doz., 11.25; cov'd dishes, 2 doz., 11.00; tea plates, 10 doz, 9.50; sundries, 5.74	453 79
Shea, E.: Spirits for medicinal purposes	44 00
Stevenson, Jno.: Clearing sewage vaults, chimneys, etc.	88 90
Stevens Mfg. Co.: Castings, repairs, etc..	35 02
Smith, W. J. & Son: Interments	162 00
Shuff, J. G.: Hair brushes, etc., 1 doz., 9.80; Sippi, C. A.: Trav. expenses, 11.30....	21 10
Trebilcock, J. C.: Eggs, 670 doz., 157.60; cheese, 4,515 lbs., 531.45; sundries, 11.55; turkeys, 116 lbs., 17.40; lemons, 10.00	728 00
Trebilcock, Thos.: Rent of 235 acres of land for pasture	207 50
Tennent & Barnes: Professional services and medicines	57 25
Taylor, S.: Half share of maintenance for school children of Asylum officers....	100 00
Tyler, Alfred: Tea, 3,710 lbs.. 816.20; Taylor, A. P.. fish, 6,060 lbs.. 545.40.....	1,361 60
Talbot, A. & Co.: Printing, 22.25; Troy Laundry Machy. Co.: Repairs, 10.00.....	32 25
Victoria Hospital: Medical attendance and board	53 00
Wilkins, Walter: Cranberries, 1 bu., 3.84; oysters, 4.50; lemons, 1.05	9 39
Wall & Guppy: Tobacco, 208 lbs., 91.52; Walsh, P.: coal oil, 500 gals., 111.80.....	203 32
Woods, J. C.: Brooches, 1 doz., 1.80; bowls. 10 doz.. 10.00; tinware sundries. 8.75	20 55
Watson, Wm.: Shoe leather, 120.96; lasts, 12 prs., 10,80: sundries, 16.80	148 56
Wenger, Aaron: Butter contract, 36.007 lbs., @ 20.65 cwt.....	7,422 02
Welford Bros.: Brooms, 90 doz., 216.00; twine, 30 lbs., 7.50; sundries. 1.25	224 75
Westcott, Thos.: Apples, 10 bbls., 13.50; Western Woolen Co.: tweed, 795 yds., 397.75..	411 25
Woods, H. G.: Chinaware sundries. 8.87; bowls, 10 doz.. 10.00; jars, 6 doz., 4.68	23 55
Wilson, W. T.: Expenses, *re* transfer from Hamilton	6 20
Young, Jno. B.: Stationery, etc.	4 45
Sundry persons: Accounts unenumerated 10.00	51 58
W. J. Harris, M.D.: Services as relieving officer. 35 days	97 23

ASYLUM FOR INSANE, KINGSTON.

SALARIES ($28,241.97).

C. K. Clarke, M.D.:	Twelve months' salary as	Medical Superintendent	2,000 00
W. C. Barber, M.D.:	do	Assistant do	1,300 00
W. C. Herriman, M.D.:	do	do Physician	1,000 00
W. R. Dick:	do	Bursar	1,200 00
A. Mackie:	do	Bursar's Clerk	350 00
A. McLean:	do	Steward	600 00
J. McManus:	do	Storekeeper	800 00
W. Potter:	do	Engineer	740 00

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, KINGSTON.—*Continued*

SALARIES.—*Continued.*

J. Dennison: Twelve months' salary as		Carpenter	550 00
Geo. Watson:	do	Tailor	500 00
T. W. McCammon:	do	Baker	450 00
W. Carr:	do	Gardener	475 00
H. Ross:	do	Farmer	550 00
A. W. Arbuckle:	do	Musical Instructor	324 00
J. Graham:	do	Second Engineer	350 00
Stokers (4):	do		1,045 00
J. Davidson:	do	Chief Attendant	400 00
Male Supervisors (7):	do		2,312 00
Male Attendants (18):	do		5,639 58
T. McGuire:	do	Butcher	300 00
A. McIver:	do	Laundryman	290 00
Sundry Messengers	do		225 22
W. Mullin: Four	do	Caretaker—Sewage Fields	80 00
J. P. Peirce: Twelve	do	Matron	500 00
T. Gallagher: Six	do	Assistant Matron	150 00
M. Gibson:	do	do	150 00
M. E. Bethune: Twelve	do	Trained Nurse	240 00
S. E. Winch: Six	do	Supt. Nurse's Home	111 81
M. Gibson:	do	Musical Instructress	96 00
A. C. Scott: Two	do	do	32 00
Female Supervisors (6): Twelve			1,128 00
Female Attendants (14):	do		2,213 31
Cooks (2):	do		372 00
M. Deane:	do	Seamstress	144 00
G. Burke:	do	Portress	144 00
Laundresses (2):	do		412 90
Maids (4):	do		567 15

EXPENSES ($60,115.92).

Anderson Bros.: Bacon & ham, 517 lbs., 73.82; sausage, 6.205 lbs., 514.30; soap, 19.50; tea, 231 lbs., 57.75; sundries, 7.18; lard, 150 lbs., 14.50; rice., 500 lbs., 18.75; sugar, 1,245 lbs., 52.19; eggs, 128 doz., 19.20	777 19
Abernethey Shoe Co.: Boots and shoes, 308 prs., 388.05; rubbers, 12.10; sundries, 3.00	403 15
Allen, S.: Vinegar, 84 gals., 20.26; barrels, 4.50	24 76
Allen, R. J.: Blankets, etc., 6.15; American Express Co.: Charges, 11.35	17 50
American Journal of Insanity: Sub. (vol 60)	5 00
Am. Medico Psychological Assn.: Annual dues	5 00
Blakey, A.: Mutton, 7,990 lbs., 553.95; veal, 1,700 lbs., 110.50	664 45
Bailey Broom Co.: Brooms, 14 doz., 36.40; Brown, G.: Lime, 42.35	78 75
British Whig Pub. Co.: Printing and adv't'g., 315.48; Briggs, Wm.: Hymn books, 19.75	335 23
Breck & Halliday: Electrical supplies, etc., 83.30; Barber, W. C.: Sheet music, 7.05	90 35
Bell Tel. Co.: Messages, 23.00; Bursar: To pay sundries, 84.33	107 33
Craig, W. G. & Co.: Slack coal, 409 tons at 3.74, 1,529.66; brooms, 34 doz., 91.80; tea, 270 lbs., 43.20; laundry starch, 156 lbs., 8.19; currants, 272 lbs., 13.60; raisins, 224 lbs., 16.24; syrup, 10.071 lbs., 293.02; sugar, 7,078 lbs., 283.12; mustard, 20.00; canned vegetables, 16 doz. cans, 14.80; vinegar, 163 gals., 35.74; tobacco, 111 lbs., 54.43; figs, 1,559 lbs., 61.66; asst'd. peel, 35 lbs., 4.48; mince meat, 201 lbs., 13.57; pepper, 50 lbs., 9.00 table raisins, 8.06; baking powder, 5.50; salmon, 4 doz. cans, 6.00; pickles, 2 pails., 9.00; salt, 12 bbls., 15.80; sundries, 30.54	2,567 41
Couper, D.: Sugar, 6,176 lbs., 265.38; tea, 1,180 lbs., 295.00; rice, 2,500 lbs., 90.00; eggs, 50 doz., 11.00; chicory, 738 lbs., 110.70; coffee, 200 lbs., 50.00; baking powder, 12 lbs., 6.00; sundries, 16.65; laundry starch, 129 lbs., 9.03; mustard, 30 lbs., 6.00; brooms, 6 doz., 15.90	875 66
Crumley Bros.: Shirting, 484 yds., 60.54; print, 1,093 yds., 109.90; canvas, 75 yds., 11.25; spools, 9 gro., 72.00; pins, 36 doz., 20.40; buttons, 3.00; pillow cotton, 135 yds., 20.29; sundries, 6.20; sheeting, 32 yds., 9.60; duck, 127 yds., 19.02; cotton, 239 yds., 17.92; blankets, 2 prs., 3.50; ticking, 231 yds., 46.25; sundries, 8.50	403 37

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, KINGSTON.—*Continued*

EXPENSES.—*Continued.*

Crawford, Jas.: (Balance 1903 butter contract), 594 lbs., at .17½, 105.44; (1904 contract), 6,714 lbs. at .17½, 1,174.98; potato contract, 1,918 bus. at .56, 1,104.40; rolled oats contract, 86 bbls. at 3.75, 322.50; sugar, 7,680 lbs., 317.58; tea, 753 lbs., 188.25; coffee, 475 lbs., 118.75; syrup, 21 bbls., 230.25; poultry, 38.16; apples, 21 bbls., 31.50; eggs, 872 doz., 183.89; biscuits, 18.28; salt, 22.02; bkg. powder, 24 lbs., 13.20; sundries, 18.38; pepper, 125 lbs., 25.00; starch, 200 lbs., 12.00; tapioca, 160 lbs., 6.40; beeswax, 23 lbs., 6.90; seed potatoes, 60 bags, 84.00; cheese, 529 lbs., 50.38; rice, 500 lbs., 17.50; brooms, 6 doz., 14.50; blacking, 6 doz., 5.10; berries, 58.67 ..... 4,168 03

C. P. Industries: Flannel, 2,040 yds., 512.06; bracés, 24 doz., 58.10 ..... 570 16

Corbett, Jno.: White lead, 600 lbs., 37.00; iron, hardware, etc., 88.29; glass, 89.00; turpentine, 20 gals., 18.00; coal oil, 139 gals., 30.58; paint brushes, 8.00; plaster paris, 1 bbl., 2.50; cement, 1 bbl., 2.75; varnish, 4 gals., 14.00; wire, 6.21 296 33

Chown, A. & Co.: Hair, 205 lbs., 71.75; white lead, 400 lbs., 22.00; twine, 20 lbs., 12.00; shovels, 2 doz., 14.70; paint brushes, 13.50; japan, 5 gals., 7.50; spades, 1 doz 7.20; iron, hardware, etc., 95.16 ..... 243 81

Crawford, R.: Cannel coal, 1 ton, 8.00; soft coal, 1 ton, 6.50; slabs, 1 cord, 6.00; coal contract, 1,546-1560 tons, large egg at 5.59, 8,646.50; hard screenings, 200-1440 tons, at 2.98, 598.15 ..... 9,265 15

Campbell, Bros.: Mitts, 6 doz., 36.00; caps, 3 doz., 27.00 ..... 63 00

Coates, F. W.: Repg. musical instruments, 6.10; clock, 6.50; engraving pins, 7.50..... 20 10

Crews, P. B.: Clocks, 5.75; repg. clocks, 2.00 ..... 7 75

Carson Bros.: Chop. feed, 1 ton, 24.00; Carson, R. J.: Tobacco, 365 lbs., 127.75..... 151 75

Campbell, J.: Postage stamps, 204.25; Carveth, J. A. & Co.: Medical books, 11.00.... 215 25

Chandler & Massey: Medical appliances, 15.84; Clarke, H. S.: Eggs, 43½ doz., 8.66.... 24 50

Clugston, Thos.: Repairs, etc., 123.50; Corbett, S. S.: Interments, 39.00 ..... 162 50

Croft, Geo.: Hay, 18 tons, 135.00; *Can. Freeman*: Printing & advertising, 13.50..... 148 50

Clarke, Dr. C. K.: Balance *re* table allowance, 464.00; allowance *re* furniture, & furnishings, 95.84; trav. expenses, 48.00 ..... 607 84

Cataraqui Cemetery Co.: Interments, 28.00; Crosby, F.: Music supplied, 11.00..... 39 00

Collector of Customs: Duty charges, 7.45; Can. Express Co.: Express charges, 12.23.... 19 68

Calvin Co.: Use of diving dress 20 00

Coulson, Jas.: Services self & attendant diving, 30.00; use of scow, 5.00..... 35 00

Durst, P. E. & Co.: Grate bars, 19.20; DeVilbiss Mfg. Co.: Spray & atomizer, 6.00.... 25 20

Desbarats & Co.: Linen paper, 9.50; Doyle, J.; Mutton, 18,615 lbs., 1,375.42 ..... 1,384 92

Dick, W. R.: Allowance in lieu of meals, 69.55; rent allowance, 50.00 ..... 119 55

Dom. Fish Co.: Fish, 1,409.54; Dennison Mfg. Co.: Christmas garlands, 21.32 ..... 1,430 86

Donoghue, C.: Chop feed, 2-180 tons 33 44

Elliott Bros.: Valves, 22.00; toilet paper, 1 case, 7.00; w. w. brushes, ½ doz., 9.00; iron, tinware, etc., 76.41; white lead, 900 lbs., 50.85; sewer pipe, 126 ft., 18.90.... 184 16

Elliott, T. C.: Eggs, 38 doz., 10.48; Elliott, Jno.: Beef, 6,545 lbs., 509.77. ..... 520 25

Fisher Bros.: Coamings, 6-1129 tons, 45.93; grains, 135.00 ..... 180 93

Ferguson, T. H.: Fruit & confectionery, 32.06; berries, 24.57 ..... 56 63

Funnell, W. H.: Berries, 11.52; apples, 1.10; plums, 65 baskets, 30.00; eggs, 6 doz., 1.20 43 82

Ferrol Co.: Ferrol, 6 doz., 19.80; Ford, Geo.: Allowance in lieu of meals, 96.00 115 80

Fenwick, W. P.: Eggs, 93 doz., 24.53; poultry, 3.00 ..... 27 53

Garlock Packing Co.: Leather belting, 380 ft., 91.43; hose, couplings, etc., 390 ft., 64.55; sheet rubber, 56 lbs., 17.92; gaskets, 10 lbs., 10.63; discs, 2 doz., 3.72; packing, 6 lbs., 6.64; sundries, 18.56; duck, 30 yds., 34.50; lace leather, 7 lbs., 6.24 254 25

Gilbert, Jno.: (Balce. 1903 butter contract) 923 lbs., @ 21¼ 196.14; split peas contract (1904) 18 bbls., at 4.50, 81.00; coffee, 887 lbs., 221.75; sugar, 2,190 lbs., 85.30; coal oil, 41 gals., 9.49; tea, 456 lbs., 114.00; rice, 2,570 lbs., 99.60; starch, 432 lbs., 9.24; chicory, 420 lbs., 56.73; canned vegetables, 12 cases, 24.40; butter, 365 lbs., 80.73; eggs, 135 doz., 20.68; mustard, 20 lbs., 4.00; sundries, 40.00 ..... 1,043 06

eggs, 135 doz., 20.68; mustard, 20 lbs., 4.00; sundries, 40.00 ..... 1,043 06

Grant, Hamilton Oil Co.: Soap, 25 boxes, 56.25; white lead, 1,000 lbs., 50.00 ..... 106 25

Gowans, Kent & Co.: Entree dishes (2), 15.00; Graham, Jno.: Allowance in lieu of meals, 37.92 ..... 52 92

Greenwood, F.: Hay, 77-350 tons, 564.13; oats & wheat, 737 bus., 250.77; straw, 4-1400 tons, 23.50 ..... 838 40

G. T. Railway Co.: Freight charges, 66.73; G. N. W. Tel. Co.: Telegrams, 24.34 ..... 91 07

Harrison, T. F. & Co.: Perforated seats, 10.64; fibre, 272 lbs, 16.32; mirrors, 7.95;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, KINGSTON.—*Continued.*

EXPENSES.—*Continued.*

cane, 8.75; sundries, 34.90; curtains, 3 prs., 17.50; wardrobe, 15.00 book case, etc., 16.50 ..... 127 56

Hiscock, J.: Pears, plums & peaches, 28.80; Hobbs Hardware Co.: Disinfectant, 45 gals., 60.75 ..... 89 55

Hunter, R.: Purchase of meat, 4,701.06; Hamer, Jno.: Repg. scales, 17.50..... 4,718 56

Hall, David: Milk cans, (2), 10.30; galv. iron, castings, etc., 41.40; iron pipe, 16.70 68 40

Hughes, Thos. E.: Repg. implements, 22.55; Hartz, J. F. Co.: Medical appliances, 32.87 55 42

Hentig, S. A.: Postage stamps, 41.00; Howland Bros.: Overalls, 13 suits, 16.70 .... 57 70

Industrial Soap & Oil Co.: Laundry soap, 4,061 lbs., 162.44; Ingham, J.: Corn meal, 200 lbs., 10.00 ..... 172 44

Kirkpatrick, M.: Picture moulding, 123.31; K. P. & C. Railway Co.: Car tickets, 68.90.. 192 21

Laidlaw, Jno. & Son: Cotton, 3,191 yds., 217.73; ticking, 332 yds., 66.50; blankets, 25 prs., 59.25; towels, 29 doz., 46.20; flannelette, 188 yds., 15.04; lawn, 251 yds., 36.58; ribbon, 151 yds., 15.58; sateen, 255 yds., 49.20; pillow cotton, 423 yds., 61.73; linen forfar, 175 yds., 43.75; quilts (57), 71.97; shawls, 3.51; linen, 186 yds., 92.00; napkins, 6 doz., 16.30; print, 302 yds., 30.85; shirting, 218 yds., 21.80; socks, 10 doz., 17.50; muslin, 235 yds., 28.55; sundries, 119.06; scrim, 40 yds., 6.00; gingham, 72 yds., 9.00; table covers, ½ doz., 6.00; butter cloth, 788 yds., 39.46; selisia, 53 yds., 8.03; satin, 56 yds., 13.72; crash, 331 yds., 33.10; sheeting, 20 yds., 6.60 ..... 1,135 01

Livingston, C.: Tweed, 389 yds., 194.57; shirts & drawers, 2 doz., 18.00; sundries, 11.50; ties, 20½ doz., 32.00; suits (80), 400.00; trousers, 101 pr., 126.25 ... 782 32

Lowe, S.: Tea, 270 lbs., 67.50; Lott, B. O.: Honey, 675 lbs., 47.25..... 114 75

Laturney, Jas.: Blacksmithing & repairs, 165.15; Leader, B.: Maple syrup, 8 gals., 7.20 172 35

Lyons, N.: Spectacles, 8½ doz. 17 34

Mitchell, W. A.: Glass, 67.10; whiting, 2 bbls., 6.85; paints & oils, 11.60; iron, hardware, etc., 65.90; white lead, 200 lbs., 12.00; varnish, 2 gals., 9.00..... 172 45

Manning, J. W.: Maple syrup, 54 gals., 54.00; Metropolitan Soap Co.: Laundry, soap, 8,477 lbs., 402.60 ..... 456 60

Mahood, P. S.: Combs, 34 doz., 32.30; tissue paper, 60 rolls, 6.00; sundries, 7.20; tableware, 26 doz., 82.70 ..... 128 20

Mills, Geo. & Co.: Caps, 1 doz., 12.00; straw hats, 6 doz., 9.00 ..... 21 00

Mullin, E. W.: Tea, 87 lbs., 21.75; sugar, 600 lbs., 25.20; coffee, 134 lbs., 33.50; 80 45

McRae, W. R. & Co.: Figs, 235 lbs., 9.40; tea, 194 lbs., 48.50; tobacco, 58 lbs., 26.10; sugar, 1,276 lbs., 49.40; prunes, 250 lbs., 12.50; biscuits, 150 lbs., 7.50 ..... 153 40

McKelvey & Birch: Valves, 21.60; boilers, 32.50; repg. furnace, 21.25; fire pot, 56.00; grate bars, 15.75; iron, tinware, etc., 180.95; closets, 51.00..... 379 05

McFaul, R.: Blankets, 40 prs., 104.50; linen, 200 yds., 60.00; crash, 165 yds., 16.50; hessian, 109 yds., 23.98; tweed, 35 yds., 35.00; beaver, 47 yds., 47.25; denim, 54 yds., 13.44; mats, ½ doz., 7.50; flannel, 43 yds., 10.69; shawls, 9.00; sash net, 45 yds., 11.32; towel racks, 2 doz., 7.00; tapestry covering, 5 yds., 6.25; freize, 8 yds., 6.00; pole brackets, 9.80; quilts, 2 doz., 40.00; sundries, 65.27; table linen, 105 yds., 42.00; wincey, 200 yds., 30.08; madras, 38 yds., 22.65; pillow cotton, 215 yds., 36.55; curtains, 6 prs., 27.00; rugs, 16.00; muslin, 124 yds., 8.68; forfar, 282 yds., 84.60; fringe, 133 yds., 12.44; blind cloth, 30 yds., 7.50; table oil cloth, 12 yds., 4.80; linoleum, 8 yds., 4.00; matting, 30 yds., 13.50 ..... 783 30

McRae, W. D.: Tobacco, 1,148 lbs., 500.20; McKay, Jno. Estate: Shoe leather, 76.43 576 63

McClary Mfg. Co.: Chambers, 24 doz., 89.71; McLeod, J. B.: Drugs & chemicals, 1,007 55 1,097 26

McBrearty, M.: Trav. expenses, 24.00; McParland, Jas.: rye, 4 gals., 10.60 ..... 34 60

McFarlane, M.: Oats, 703 bus., 246.25; see oats, 64 bus., 28.80 ..... 275 05

McCammon, T. W.: Allowance in lieu of meals, 37.92; eggs, 3 doz., 1.20 ..... 39 12

McIver, A.: Allowance in lieu of meals, 37.92; McWain, T. G.: Berries, 5.88 ..... 43 80

McLaughlin, M. & Co.: (Balance 1903 flour contract), 25 bbls. at 3.37½, 84.38; (1904 contract), 443 bbls., at 3.70, 1,639.10; 565 bbls., at 3.86 (16 additional), 2,180.90 3,904 32

McGuire, T.: Eggs, 32 doz., 5.76; expenses buying sheep, 6.00 ..... 11 76

Nicholson, Thos.: Corned beef, 39.715 lbs., 2,382.90; suet, 100 lbs., 10.00; beef, 1,600 lbs., 126.00 ..... 2,518 90

News and Times: Subs., 13.00; Nisbet, F.: Stationery, 53.60 ..... 66 60

Nordheimer Piano Co.: Repg. instruments, 14.57; sheet music, 12.48 ..... 27 05

Oldreive & Horn: Repairs, 21.50; Olsen & Richardson: Horseshoeing, 13.00 ..... 34 50

Ontario Rubber Co.: Hospital mattrass, 27.50; rubber sheets, 29.25 ..... 56 75

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, KINGSTON.—*Continued.*

EXPENSES.—*Concluded.*

Parsons Irons Co.: Seal, 7.00; Pollie, J.: Repairs, tinware, etc., 87.95 ..... 94 95
Prevost, Z.: Tweed, 302 yds., 150.87; worsted, 26 yds., 65.00; canvas, 75 yds., 11.25; sundries, 11.50; serge, 22 yds., 56.25 ..... 294 87
Partridge, F.: Wire guards, 17.80; Pugsley, Dingman & Co.: Dry soap, 2,500 lbs., 117.50 ..... 135 30
Queen City Oil Co.: Linseed oil, 3 bbls., 65.17; cylinder oil, 4 bbls., 86.60; turpentine, 241 gals., 207.11; gasoline, 123 gals., 33.28; mica grease, 2.20; coal oil, 2 bbls., 17.34; sundries, 4.60 ..... 416 30
Redden, Jas. & Co.: (Balce 1903 rolled oats contract), 2 bbls. at 4.45, 8.90; (balce 1903 potato contract), 130½ bus. at .63, 82.24; prunes, 300 lbs., 16.50; biscuits, 3.00; coffee, 1.311 lbs., 327.75; eggs, 497 doz., 111.99; beeswax, 52 lbs., 18.20; vinegar, 73 gals., 18.25; apples, 31 bbls., 53.35; poultry, 110.88; baking powder, 5.75; pipes, 10 doz., 15.00; pickles, 10.50; matches, 20 gro., 18.00; pot barley, 10 bbls., 48.70; cheese, 724 lbs., 67.39; tea, 436 lbs., 109.00; sundries, 108.69; canned vegetables, 36 doz. cans, 40.80; canned fruit, 12 doz. cans, 19.50; jam, 12 pails, 6.00; sugar, 3,972 lbs., 162. 07; starch, 220 lbs., 17.60; ginger, 25 lbs., 7.50 ..... 1,387 56
Richardson & Olsen: Horseshoeing, 22.09; Rees, E. R.: Beef, 4,430 lbs., 310.10 ..... 332 19
Robertson Bros.: Bowls, 30 doz., 42.00; tumblers, 21 doz., 20.70; covered dishes, 6 doz., 42.80; cups & saucers, 20 doz., 20.50; gem jars, 12 doz., 12.00; ewers, 2 doz., 12.00; basins, 2 doz., 12.00; tea plates, 12 doz., 9.60; jugs, 6 doz., 22.00; chinaware, etc., 65.65; cups, 13 doz., 10.10; dinner plates, 6 doz., 6.00; platters, 1 doz., 9.00; bakers, 1 doz., 4.00 ..... 288 35
Rees, A. J.: Fancy boxes (650), 7.60; candies, 160 lbs., 20.60; nuts, 140 lbs., 21.70; oranges, 7.50; rfnit, berries, etc., 63.48; raisins, 7.00; sundries, 26.40; fireworks, 10.00 ..... 164 28
Rathbun Co.: Coal contract, small egg, 322-390 tons at 5.84, 1,881.62; stove, 19½ tons at 5.84, 113.91; nut, 28-1790 tons at 5.84, 168.75; pine, 9.003 ft., 428.13; shingles (4,000), 11.00; lumber 89.52; sundries, 5.73 ..... 2,698 66
Ramette Toilet Soap Co.: Toilet soap, 5 gro., 21.25; Reyner, J.: Tuning pianos, 6.00 ..... 27 25
Ross, Mrs.: Eggs, 52 doz. 10 26
Strachan, A.: Iron, hardware, etc., 168.02; rope, 7.20; sad irons, 15.12; varnish, 7.50; paints & oils, 41.25; boiled oil, 49 gals., 27.26; locks, 23.00; nails, 7 kegs, 25.25; twine, 12.25; glue, 20 lbs., 6.00; screws, 4.35; enamel paint, 10 gals., 33.75 ..... 371 01
Steacy & Steacy: Sheeting, 2.997 yds., 871.63; cotton, 2,102 yds., 153.47; drill, 56 yds., 8.60; shirting, 433 yds., 58.55; blankets, 12 prs., 30.00; pillow cotton, 737 yds., 110.68; cheese cloth, 221 yds., 11.05; shawls, (15) 41.25; duck, 98 yds., 19.49; curtains, 54 prs., 76.00; linen, 10 yds. 4.50; muslin, 68 yds., 9.12; dress goods, 30 yds., 11.00 pique, 29 yds., 7.25; cretonne, 100 yds., 18.00; hose, 62 doz., 145.98; cord, 69 yds., 5.52; comforter, 4.75; linen toile, 416 yds., 62.48; sundries, 29.67; table linen, 347 yds., 168.09; print, 1,490 yds., 164.85; denim, 50 yds., 12.50; crash, 100 yds., 10.00; thread, 62 doz., 44.24; socks, 17 doz., 30.39; handkerchiefs, 12 doz., 14.40; velvet, 9 yds., 6.75; needles, 5.00 ..... 2,135 21
Sparrow, Geo. & Co.: Bread cutters (4), 18.00, Selby & Youlden: Castings, repairs, etc., 126.14 ..... 144 14
Sundry newspapers: Advertising *re* supplies, 108.75; *re* fuel, 63.00 ..... 171 75
Shales & Taugher: Horseshoeing, 33.45; Stevens, The J. & Son Co.: Med. appliances, 9.89 ..... 43 34
Slavin, Jas.: Overcoats (8), 40.00; Steele, Briggs Seed Co.: Seeds, bulbs, etc., 60.38 ..... 100 38
Singleton, T.: Sheet music, 22.08; St. Mary's Cemetery: Interments, 10.00 ..... 32 08
Thompson, Geo.: Feed, 3 tons, 66.00; seeds, etc., 114.40; sundries, 4.93; corn, 35 bus., 35.00 ..... 220 33
Tweddell, Jno.: Tweed, 603 yds., 301.50; Tait, Wm.: Oats, 156 bus., 62.00 ..... 363 60
Taylor, H. B. Drug Co.: Drugs & chemicals, 11.00; Tomlinson, G. R.: Elec. supplies, 50.98 ..... 61 93
Toye, R. H.: Apples, 36 bbls., 67.00; yeast, 56.70; lemons & oranges, 21.70; berries, 13.14 eggs, 20 doz., 6.15; grapes, 12.70; sundries, 5.40 ..... 182 79
Uglow, R. & Co.: Stationery, 85.48; blank books, 32.65; subs., magazine, etc., 40.00; playing cards, 6 doz. packs, 9.00 ..... 167 33
Wenger, Aaron: Butter contract, 10.696 lbs., at .21 ..... 2,246 16
Wilton, H.: Harness repairs, 18.40; Walsh, M.: Corned beef, 4,410 lbs., 264.60 ..... 283 00
Wingate Chemical Co.: Hospital cotton, 25 lbs., 7.00; sundries, 1.26 ..... 8 26
Wilson, The H. A. Co.: Amusements, 9.46; Wilson, T. C.: Livery hire, 34.50 ..... 43 96
Wilson, R. E.: Livery hire, 13.75; Wishart, E.: Plastering, etc., 72.00 ..... 85 75
Warwick Bros. & Rutter: Envelopes, staty., etc., 24.00; Wellborne, Wm.: Honey, 6,910 lbs., 20.73 ..... 44 73
Sundry persons: Accounts unenumerated under 10.00 ..... 68 20

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, HAMILTON.

Salaries ($37,774.57).

Jas. Russell, M.D.: Twelve months' salary		as Medical Superintendent	2,000 00
F. Beemer, M.D.:	do	Asst. do	1,300 00
J. Webster, M.D.:	do	2nd Asst. Physician	1,100 00
W. T. Wilson, M.D.: Ten & one-fourth		3rd do	812 75
L. E. Swazie: Twelve months' salary		as Porter and Gatekeeper	325 00
Annie Kelly:	do	Stenographer	400 00
Bidwell May:	do	Bursar	1,400 00
A. Murray, Jr.:	do	Bursar's Clerk	900 00
D. McCarthy:	do	Storekeeper	1,050 00
L. C. McIntyre:	do	Assistant Storekeeper	600 00
Jas. Martin: Nine & one-fourth		Baker	347 22
W. H. McClure: Two & three-fourths		do	101 61
Wm. Harper: Twelve	do	Butcher	360 00
Geo. Thompson:	do	Messenger and Stableman	240 00
Jos. Ironside:	do	Engineer	550 00
Thos. Lawlor:	do	1st Asst. Engineer	500 00
Thos. Malamphy: One	do	2nd do do	20 00
Wm. Moffatt: Two	do	do do	52 50
Peter Dickson: Eight	do	do do	205 50
Stokers (5): Twelve	do		1,115 74
N. Reed:	do	Carpenter	550 00
Wm. Addison:	do	Asst. do	500 00
Wm. Gatenby:	do	Tailor	550 00
Robt. Leslie: Eleven	do	Shoemaker	275 00
Wm. Scott: Twelve	do	Laundryman	390 00
Thos. McQueen:	do	Farmer	600 00
N. Elliott:	do	Plowman	300 00
Farm Hands (2):	do		552 00
A. Goodall:	do	Gardener	500 00
W. S. Scott:	do	Asst. Gardener	360 00
L. Honey: One & one-half	do	Stableman	30 69
Jessie S. Watson: Twelve	do	Matron	500 00
Lillie Jones: Six & one-half	do	Asst. Matron	164 52
H. E. Robertson: Five & one-half		do	133 87
M. McKentry: Twelve months' salary		as 2nd Asst. Matron	240 00
Maud Gill:	do	Trained Nurse	240 00
Cooks (8):	do		1,408 48
Housemaids (4):	do		389 73
Laundresses (4):	do		705 00
Seamstresses (2):	do		384 00
A. Woodburn:	do	Chief Female Attendant	240 00
Female Supervisors (10):	do		2,075 00
Female Attendants (27):	do		3,750 08
Jas. Slater:	do	Chief Attendant (M.B.)	450 00
Jas. Thompson:	do	do (O.H.)	400 00
Male Supervisors (8):	do		2,816 00
Male Attendants (25):	do		5,890 38

Expenses ($93,420.42).

Aitchison, D. & Co.: Lumber, flooring, etc., 283.12; Anderson, C. J.: Floor wax, 130 lbs., 16.90 ..... 300 02

Allen, S.: Vinegar, 243 gals., 48.68; barrels, 13.50 ..... 62 18

Arland, P.: Rubber boots, 3 prs., 12.00; Am. Medico Psychological Assn: Annual dues, 5.00 ..... 17 00

Baxter, A. B.: Eggs, 157 doz., 45.09; poultry, 106.16; vinegar, 42 gals., 12.60; bacon & ham, 1,009 lbs., 141.26; lard, 445 lbs., 53.40; maple syrup, 20 gals., 24.00; sundries, 41.78 ..... 424 29

Ballentine, Adam & Bros.: Poultry, 97.51; eggs, 155.21; fruit & vegetables, 63.02; veal, 178 lbs., 21.03; lamb, 31.60; sundry groceries, 54.10 ..... 422 47

Bowker, T.: Onions, 58 bags, 50.50; Bateman, P. S.: Horseshoeing, 33.80 ..... 84 30

Beardmore & Co.: Shoe leather, 2,686 lbs., 607.01; roundings, 102 lbs., 17.34; insoles, 24 gro., 36.00; rivets, nails, thread, etc., 105.12; russetts, 5 doz., 21.04;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, HAMILTON.—*Continued.*

EXPENSES.—*Continued.*

splits, 1½ doz., 23.66; top lifts, 30 doz., 27.30; laces, 20.40 ..... 857 87
Bryant, H.: Entertainment, 10.06; Butler, Jas.: Yarn, 570 lbs., 256.50 ..... 266 56
Bell Tel. Co.: Messages, 8.45; Bursar: To pay sundries, 61.53 ..... 69 98
Brennen, M. & Sons Mfg. Co.: Lumber, etc., 355.00; posts (200), 50.00; shingles, 121.00 526 00
Birdsall, T.: Music supplied 22 00
Brown, D M.: Eggs, 752 doz., 143.68; poultry, 36.00; fruit & vegetables, 51.21; sundries, 64.59 ..... 295 48
Central Prison Industries: Flannel, 2,549 yds., 753.39; bed springs (50), 102.00; blankets, 100 prs., 325.80 ..... 1,181 19
Canada Biscuit Co.. Assorted jam, 4,009 lbs., 260.58; Case, A. E.: Potatoes, 701 bags, 97.14 ..... 357 72
Common Sense Mfg. Co.: Roach powder, 1 doz., 12.00; Crawford, Jas.: Ice cream (picnic), 7 gals., 10.50 ..... 22 50
Chilman, R. E.: Candies, 32.66; Cline, R. M.: Fish, 1,515.39 ..... 1,548 05
Clark, Jno. A.: Parafine wax, 70 lbs., 9.10; dyes, 8 doz., 6.00 ..... 15 10
Chandler & Massey: Hand books, 2 doz., 12.00; surgical appliances, 47.87 ..... 59 87
Crawford Bros.: Sand, 24.00; Can. Exp. Co.: Exp. charges, 6.25 ..... 30 25
Catholic Cemetery: Interments, 15.00; Cook, Adam & Co.: Printing, etc., 52.50 67 50
Cloke, J. G.: Postage stamps, 53.70; copying paper, 12 rolls, 12.00; stationery, 21.54; blank books, 7.50 ..... 94 74
Dixon Bros.: Cranberries, 2 bbls., 21.00; oranges, 147 doz., 29.40; sundries, 12.48; mixed nuts, 170 lbs.,19.40; lemons, 6.00; berries, 128.30; cherries, 9.90; peaches, 36.00 262 48
Duff, Jno. & Son:.. Lard, 295 lbs., 26.55;.. bacon & ham, 334 lbs., 47.26 ..... 73 81
Duncan, Robt. & Co.: Postage stamps, 56.00; stationery, blank books, etc., 95.67; playing cards, 6 doz., 15.00 ..... 164 67
Dow, H. & J.: Cement, 6 bbls., 16.00; lime, 10 bus., 2.50 ..... 18 50
Duncan, Bros.: Tea, 1,109 lbs., 277.25; Dodsworth, A. H.: Interments, 32.00 ..... 309 25
Donohue, D.: Tobacco stems, 10.00; Dom. Express Co.: Express charges, 8.84 ..... 18 84
Eaton, T. & Co.: Pictures & frames, 331.14; Electric Supply Co.: Elec. fittings, 107.75 438 89
Evans, Robt. Seed Co.: Seeds, bulbs, etc, 327.63; Elliott, N.: All'ce in lieu of meals, 91.67 419 30
Finch, Bros.: Towelling, 74 yds., 12.29; galatea, 166 yds., 28.65; towels, 2 doz., 6.00; cambric, 24 yds., 3.60; frilling, 20 yds., 5.13; linen, 26 yds., 15.58; shirting, 495 yds., 74.85; yarn, 204 lbs., 87.48; cotton, 363 yds., 34.48; dress goods, 442 yds., 77.54; curtains, 3 prs., 7.50; muslin, 42 yds., 6.30; sundries, 23.95; print, 1,030 yds., 128.78; crash, 611 yds., 76.38; gingham, 526 yds., 81.52; flannel, 104 yds., 26.13 ..... 696 16
Fearman, F. W. & Co.: Cheese, 2,474 lbs., 259.14; Freeman, W. A. & Co.: Fertilizer, 4,000 lbs., 65.00 ..... 324 14
Fleishmann & Co.: Yeast, 60.30; Farm Exchange Account: Tallow, 3,040 lbs., 140.00 200 30
Fraser, David: (Rolled oats contract), 63 bbls., at 4.25, 267.77; corn meal, 2 bbls., 7.80; bran, 8½ tons, 136.16; sundries, 1,25; potatoes, 602 bus., 445.38 ..... 858 36
Ferrol Co.: Ferrol, 10 doz., 33.00; Frid, Geo. & Co.: Brick, 2.000, 20.00 ..... 53 00
Glassco, G. F. & Co.: Robes (2), 118.75; hats, 48.83; caps, 6 doz., 33.00; repg. robe, 1.50 202 08
Gordon Bros.: Poultry, 103.36; lard, 870 lbs., 107.25; bacon & ham, 1.060 lbs., 152.99 363 60
Gurney Foundry Co.: Grate bars, 29.14; Gerrie, Alex.: Apples, 85 bbls., 170.00 .... 199 14
Gerrie, Jno. W.: Baking powder, 425 lbs., 106.25; extracts, 15.42 ..... 121 67
Guest, E. J.: Lime, 90 bus., 18.00; Garlock Packing Co.: Packing, 37.82 ..... 55 82
Green Bros.: Interments, 11.00; Gripton, C.: Marking ink, 2 qts., 17.60 ..... 28 60
Gardener & Thomson: Shirts, ties, etc., 4.50; Greening, B. Wire Co.: Wire guards, 14.75 19 25
Griffin, B.: Parafine wax, 100 lbs., 12.50; Sundry drugs, 2.95 ..... 15 45
Gutta Percha & Rubber Mfg. Co.: Hose, 225 ft., 64.88; fire hose, 100 ft., 88.35 ..... 153 23
Good Roads Machinery Co.: Repairing boilers, machinery, etc. 263 48
G. T. Railway Co.: Freight charges 61 82
Hamilton Coffee & Spice Co.: Coffee, 2,822 lbs., 706.60; sundries, 41.34 ..... 747 94
Hamilton Waterworks Co.: Water, 5,852.04; Hamilton Gas Light Co.: Gas, 464.20 .... 6,316 24
Hamilton & Burton Incline Railway Co.: Use of Incline as per agreement 330 00
Hamilton Cataract Power Co.: Current for light, 2,254.95; repairs, 159.82 ..... 2,414 77
Hamilton Cemetery Board: Interments 25 00
Hamilton & Toronto Sewer Pipe Co.: Sewer pipe, 23 feet 26 50
Harris Bros.: Bread, 28.14; Howard, Wm.: Rep'g. oven, 72.08 ..... 100 22
Hill, Geo.: Cartage, 9.00; Howell Lithographic Co.: Lithographing, 29.25 38 25

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, HAMILTON.—*Continued.*

EXPENSES.—*Continued.*

Hunter, R.: Purchase of meat, 11,871,86; Herald, Jos.: Tuning pianos, 10.00..... 11,881 86
Hicks, E. S., M.D.: Medical attendance re operation..... 15 00
Junor, Robt.: Plates, 36.10; covered dishes, 19.40; sundries, 3.65; jugs, 3 doz., 16.20; cups, 50 doz., 40.00; bowls, 30 doz., 36.00 ..... 151 35
Knox, Morgan & Co.: Sheeting, 1,155 yds., 234.48; cotton, 4,682 yds., 423.33; ties, 8 doz., 17.44; bunting, 207 yds., 12.40; shirts, 1½ doz., 13.50; hose, 6 doz., 13.51; corsets, 1 doz., 4.50; handkerchiefs, 13 doz., 7.10; pipes, 4 doz., 8.17; spools, 27 gro., 145.80; linen spools, 17.85; hessian, 309 yds., 69.53; flannel, 187 yds., 31.79; cottonade, 1,309 yds., 297.85; buttons, 91.50; table oil cloths, 33.00; sundries, 44.80; ticking, 985 yds., 198.29; mole, 125 yds., 28.75; serge, 142 yds., 358.87; lining, 27 yds., 17.71; tabling, 301 yds., 361.80; tweed, 710 yds., 339.77; towelling, 402 yds., 40.25; suiting, 1,054 yds., 131.84; towels, 2 doz., 7.00; gingham, 425 yds., 42.50; print, 97 yds., 9.70; hoods, 4 doz., 19.50; machine silk, 1 lb., 12.50..... 3,035 03
Kennedy, Jas. S.: Valves, castings, etc. 62 07
Kirkpatrick, R.: Harness, 35.00; harness repairs, 41.75 ..... 76 75
Lennox, Jno. & Co.: Boots and shoes, 25 prs 26 19
Lake & Bailey: Flour, 63 bags..... 145 40
London Ammonia Co.: Powder ammonia, 896 lbs. 53 76
Lees, Thos.: Spectacles, 6 doz., 21.60; repairs, 6.75 ..... 28 35
Lyons, E.: Potatoes, 500 bu., @ 60c. bushel 300 00
Myles, Thos., Sons: (Balance 1903 coal contract) Run of mine, 1,410 tons, 1,070 lbs., @ 4.48, 6,319.20; slack, 85 tons 530 lbs., @ 3.61, 307.80; hard scgs., 53 tons, 370 lbs., at 2.83, 150.51; (1904 contract) egg, 807 tons, 830 lbs., @ 6.06, 4,892.94; stove, 267 tons, 790 lbs., @ 6.06, 1,620.41; nut, 150 tons, 310 lbs., at 6.06, 909.94 ..... 14,200 80
Morris, Thos. S., & Co.: Chop feed, 24⅔ tons, 603.01; cracked wheat, 50 bags, 96.00; beans, 92 bu., 142.50; corn meal, 34 bags, 56.15; pot barley, 39 bags, 70.45; cracked wheat, 2 tons, 100 lbs., 82.00; split peas, 23 bags, 49.30; potatoes, 106 5-6 bu., 102.62 ..... 1,202 03
Malcolm, J. & Son: Butter contract, 33,511 lbs., @ 20½c..... 6,869 93
Metropolitan Soap Co.: Laundry soap, 1,891 lbs., 94.55; Morrison, The Jas. Mfg. Co., rep'g inspirator, 15.25..... 109 80
Mack, Jno.: Drugs and chemicals, 925.80; May, S. & Co.: Cues, 7.50 ..... 933 30
Moore, The D. Co.: Tinware, etc., 62.05; stove, 10.00 ..... 72 05
Mellon S.: Castings, repairs, etc., 40.57; closets, 29.70 ..... 70 27
Magee-Walton Ice Co.: Ice, 877 tons 947 16
Massey Harris Co.: Harrow, 18.00; repairs, 5.29 ..... 23 29
Macpherson, Glassco & Co.: Sugar, 46,257 lbs., 1,953.78; tea, 3,100 lbs., 775.00; dried apples, 4,298 lbs., 202.41; prunes, 11,200 lbs., 710.25; currants,, 2,370 lbs., 154.24; tobacco, 1,050 lbs., 428.59; cod steak, 2,820 lbs., 224.14; syrup, 477 lbs., 190.80; raisins, 700 lbs., 51.94; pepper, 240 lbs., 48.00; starch, 1,000 lbs., 54.50; mustard, 21.60; vinegar, 125 gals., 31.38; barrels, 6.75; salt, 42 bbls., 57.85; coarse salt, 30 bags, 26.00; rice, 8,032 lbs., 295.51; sundries 51.44; canned vegetables, 90 doz. cans, 99.84; salmon, 16 doz. cans, 28.00; pickles, 11 doz., 23.40; molasses, 2 bbls., 26.53; blueing, 48 lbs., 8.64; sardines, 1½ cases, 21.72; lobsters, 8 doz. cans, 28.00; pot barley, 6 bbls., 26.70; corn starch, 80 lbs., 5.60; sal. soda, 375 lbs., 3.75; tapioca, 100 lbs., 3.75; gelatine, 3 doz., 3.30; asst'd peel, 35 lbs., 3.99 ..... 5,567 40
McQuarrie, Jas. J.: Poultry, 110.40; eggs, 254 doz., 63.54; sundries, 23.06 ..... 197 00
McFarlane, Alex.: Chop corn, 2 tons, 480 lbs., 49.28; split peas, 8 bags, 18.00; corn meal, 4 bags, 6.60; cracked wheat, 1,700 lbs., 39.10 ..... 112 98
McLaughlin, M. & Co.: (Balce 1903 flour contract) 62½ bbls., @ 3.42½, 214.07; (1904 contract) 580 bbls., at 3.75, 2,170.25; (.16 additional) 753½ bbls. at 3.91, 2,947.49 5,331 81
McColl Bros. & Co.: Signal oil, 46 gals., 39.53; McClary Mfg. Co., repg. stoves, 21.13 ..... 60 66
McKay S.: Stabling horses, 25.00; McKenzie, A. M.: glass, 4.25 ..... 29 25
Nisbet & Auld: Tabling, 203 yds 107 32
Nordheimer Piano Co.: Repg. instruments, 7.55; sheet music, 15.24 ..... 22 79
Osborne, Jas. & Son: Poultry, 26.85; eggs, 170.76; sundries, 88.62 ..... 286 23
Olmsted, R. G.: Repairing ovens, etc. 28 20
Ontario Rubber Co.: Pneumatic mattrasses, 3, 82.50; hospital sheets, 12, 27.00..... 109 50

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, HAMILTON.—*Continued.*

EXPENSES.—*Continued.*

Peoples' Coal Co.: (Balce 1903 coal contract) egg, stove and nut, 483 tons 820 lbs., at 6.30, 3,045.49; (1904 contract), egg, 904 tons, 210 lbs., at 5.95, 5,379.42 ..... 8,424 91
Pugsley Dingman & Co.: Laundry soap, 5,058 lbs. 223 56
Peterboro Lock Mfg. Co.: Locks, etc., 49.88; Postmaster, rent of P.O. Box, 8.00..... 57 88
Pringle, W. & Son: Cracked wheat, 20 bags, 48.00; pot barley, 12 bags, 21.00; corn meal, 4 bags, 6.60; split peas, 10 bags, 22.00 ..... 97.60
Parke, C. W.: Hardwood contract, 32¼ cords @ 6.72 ..... 216 72
Patterson, J. D. & Co.: Repairs to vehicles 28 65
Rogers Coal Co.: (1904 coal contract) Slack 131 tons, 320 lbs., 380.36; hard screenings, 24½ tons, at 2.25, 56.25; cannel, 45 tons at 6.20, 279.03 ..... 715 64
Renforth Cheese Co.: Cheese, 2,659 lbs., 241.94; Ross, Jos.: Wheelbarrows, 6, 30.00.. 271 94
Reed, Daniel: Straw, 47 tons, 270.32; potatoes, 527 5-6 bus. at .74, 390.60 ..... 660 92
Robertson, H. E.: Expenses re transfer from Brockville 12 65
Rodger, Jno.: Horseshoeing, 25.20; Ross, A.: repg. vehicles, 77.95 ..... 103 15
Russell, Jas.: Balce *re* table allowance, 85.28; allowance *re* furniture and furnishings, 79.82; trav. expenses, 8.00; exps. attending Psychological Ass'n, 100.00..... 273 10
Shea, Jas.: Cotton, 1,393 yds., 94.92; sheeting, 321 yds., 82.23; linen, 37 yds., 12.78; scrim, 30 yds. 6.90; muslin, 30 yds., 6.00; sundries, 8.96 ..... 211 79
Skedden Brush Co.: Scrubs, 12 doz., 26.40; asst'd. brushes, 69.70 ..... 96 10
Stuart, Jno. & Co.: Asst'd peel, 21 lbs., 2.64; raisins, 56 lbs., 3.92; tobacco, 109 lbs., 42.03; tea, 180 lbs., 45.00; rice, 1,486 lbs., 63.44; salt, 7 bbls, 9.80; tapioca, 100 lbs., 3.75; cod, 120 lbs., 8.10 ..... 178 68
Souter, A. M. & Co.: Seats, 25, 42.15; Smith, Jas.: picture frames, 81.70 ..... 123 85
Sundry newspapers: Advertising *re* supplies, 196.60; *re* fuel, 100.50 ..... 297 10
Stevenson, Geo.: Valves, plumbers' supplies, etc., 152.41; enamelled bath, basin and closets, 150.00; castors, 10.56 ..... 312 97
Shaw, Hugh: Horseshoeing 12 88
Sundry Officials: Allowance in lieu of meals: B. Way, 45.83; A. Murray, 45.83; D. McCarthy, 45.83; L. McIntyre, 45.83; Annie Kelly, 45.83..... 229 15
Thompson, F. C., Co.: Surgical thermometers, 1 doz., 8.00; Taylor, Jno., & Co.: laundry soap, 5,708 lbs., 271.40 ..... 279 40
Thomson, Alex.: Hair, 1,050 lbs., 525.00; couch, 14.00; chairs, 67.50; repairs, 43.85; desk, 6.00 ..... 656 35
Taylor & Mulveney: China, glassware, etc., 46.59; jugs, 7¼ doz., 28.95; bowls, 20 doz., 20.00; cups and saucers, 200, 13.34; chambers, 25 doz., 100.00 ewers, 2 doz., 9.60; basins, 1 doz., 4.80 ..... 223 28
Troy Laundry Machy Co.: Potash, 1,880 lbs., 155.10; T. H. & B. Railway, freight charges, 7.88 ..... 162 98
Thompson, Jno. R.: Picture moulding, etc., 241.28; Taylor, W.: Cleaning chimneys, 14.00..... 255 28
Turnbull, A. C.: Staty, etc., 42.35; postage stamps, 37.00; mounting maps, etc., 10.50 89 85
Times Ptg. Co.: Printing, advtg., etc., 81.32; Taylor, E.: Repairs, sharpening mowers, etc., 62.55 ..... 143 87
Wilde, L.: Honey, 2,076 lbs., 155.70; Wilson, The H. A., Co.: Athletic goods. 39.37.... 195 07
Wenger, A.: (Balce 1903 butter contract), 1,460 lbs., at .21 ..... 306 60
Wright & Dallyn: Washing soda, 5,320 lbs., 97.30; Way, B.: trav. expenses, 7.25;.... 104 55
Wells & Richardson Co.: Rug patterns 19 95
Wilson, Jno.: Smoke stacks, 15.50; iron tinware, etc., 31.08 ..... 46 58
Wood, Vallance & Co.: Belting, 100 ft., 25.75; glass, 226.70; hooks, 8.55; locks, 31.18; sash cord, 20 lbs., 6.00; brass hinges, 2 doz., 4.80; pulley, 5.50; table knives, forks and spoons, 49 doz, 115.20; sledge handles, 7 doz., 16.05; snow shovels, 2 doz., 7.00; turpentine, 135 gals., 114.92; raw oil, 41 gals., 20.67; white lead, 4,000 lbs., 210.00; paints and oils, 114.35; wall brushes, ½ doz., 8.00; nails, 5 kegs, 13.20; cotton waste, 176 lbs., 19.32; varnish and japan, 35 gals., 38.25; latches, 8.00; lanterns, 23.50; iron, hardware, etc., 349.37; duck, 429 yds., 182.09; shellac, 6 gals, 19.50; garden tools, etc., 33.66; galv. iron, 26 sheets, 19.65; razors, ½ doz., 5.00; trimmers, 1 doz., 7.00; hose, 100 feet, 15.00; rope, 79.75; steel, 59 lbs., 7.67; machine oil, 47 gals., 14.10; cylinder oil, 128 gals., 83.20; iron pipe, 160.17; mitre box, 11.50; tarred felt, 27 rolls, 24.01; alabastine, 1 case, 6.00; cement, 6 bbls., 16.50; rakes, 2 doz., 11.00; paris green, 50 lbs., 8.00; shovels, 1 doz., 11.40; dryer, 5 gals., 4.50;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, HAMILTON.—*Concluded.*

EXPENSES.—*Concluded.*

varnish, 10 gals., 9.50; iron, 9.08; fire clay, 2 bbls., 6.00; drawer pulls, 3 doz., 18.00; valves, 18.00; cess pools, (2), 8.00	2,154 59
Watkins, Thos. C.: Handkerchiefs, 4.20; lace, 6.12; ties, 16.25; ribbon, 21.83; towels, 3 doz., 8.55; sheeting, 35 yds., 18.16; towelling, 48 yds., 8.64; suiting, 1,114 yds., 200.70; tapestry, 111 yds., 56.72; muslin, 60 yds., 12.30; madras, 24 yds., 7.20; rollers, 1 gro., 10.80; carpet ends, 127.26; holland, 100 yds. 26.64; carpet, 192 yds., 188.98; rugs, 64.25; shirting, 403 yds., 67.31; print, 1,160 yds, 164.37; cambric, 139 yds., 31.07; gingham, 273 yds, 62.27; sundries, 93.20; scrim, 48 yds., 8.64; galatea, 134 yds., 24.12; damask, 52 yds., 28.73; pictures, 18.85; shade cloth, 120 yds., 29.50; percale, 202 yds., 30.27; curtains, 2 prs., 4.76; draping, 55 yds., 6.60; sateen, 24 yds., 4.36; felt, 6 yds., 4.80	1,358 35
Woods, Walter & Co.: Brooms, 53½ doz., 156.65; ban. brushes, 2 doz., 14.40; stable brooms, 1 doz., 9.00; toilet paper, 1 case, 6.50; soap, 44.87; mats, 5-6 doz., 15.00; shoe brushes, 1 doz., 4.80; stable pails, 4 doz., 16.50; hair brushes, 3 doz., 24.00; sundries, 18.23; combs, 12 doz., 36.00; baskets, 9 doz., 29.80; horse brushes, ½ doz., 8.40	384 15
Wright, E. T. & Co.: Oil tanks, 3, 21.00; tinware, sundries, 44.55	65 55
Young, Jno. B.: Stationery	14 05
Zimmerman, J.A.: Drugs and chemicals	55 78
Sundry persons: Acounts unenumerated under 10.00	74 60
W. J. Harris, M.D.: Services as Relieving officer, 12 days	32 61
W. P. St. Charles, M.D.: Services as Relieving officer, 53 days	144 44

ASYLUM FOR INSANE, MIMICO.

SALARIES ($22,112.69.)

N. H. Beemer, M.D.:	Twelve months' salary as	Medical Superintendent	2,000 00
J. M. Forster, M.D.:	do	Asst. do	1,300 00
W. P. St. Charles, M.D.:	Ten & one-third	do Physician	767 50
Geo. M. Biggs, M.D.:	One & two-thirds	do do	132 50
Mark Keilty:	Six do	Bursar (including rent allowance)	700 00
Jas. Corcoran:	do	do (do)	750 00
W. P. Sturt:	Twelve do	Bursar's Clerk	650 00
Robt. Elkin:	do	Steward	700 00
F. N. Wallis:	do	Storekeeper	950 00
Jno. Gourley:	do	Engineer	600 00
Jas. Ailles:	do	do (Pump House)	500 00
Wm. Wilkinson:	do	Asst. do	360 00
A. Craib:	do	Electrician	360 00
Firemen (3):	do		941 33
Adam Dyer:	Two & two-thirds do	Carpenter (including rent allowance)	100 00
R. Maxwell:	Eight do	do	200 00
S. Matheson:	Twelve do	Gardener	499 88
Geo. Dea:	do	Baker	450 00
B. Watson:	do	Mason	500 00
Wm. Boulton:	do	Farmer	500 00
Thos. Pattison:	do	Asst. Farmer	300 00
Jno. Golden:	Three do	Plowman	60 00
W. White:	Eight & one-half do	do	171 61
J. C. McMullen:	Twelve do	Laundryman	300 00
Jas. Rice:	do	Sewageman	306 00
Wm. Patterson:	do	Stableman	264 00
Thos. Dunn:	do	Messenger	348 00
Geo. Stubbs:	do	Butcher	264 00
Male Supervisors (6):	do		1,949 00
Male Attendants (16):	do		4,205 81
Night Watchmen (2):	do		450 00
Jas. Aldridge:	do	Shoemaker	175 04

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, MIMICO.—*Continued.*

SALARIES.—*Continued.*

M. H. Quinlan:	Twelve months' salary as	Matron	500 00
M. Semple-Dixon.	do	Asst. Matron	300 00
Agnes Redick:	do	Tailoress	300 00
Sarah Moore:	do	Seamstress	180 00
Cooks (2):	do		535 00
Maids (4):	do		439 64
Laundresses (4):	do		604 06
Female Supervisors (5):	do		1,008 00
Female Attendants (15):	do		2,180 32
Female Night Watches (2):	do		299 00
Eliza Alexander: One	do	Musical Directress	12 00

EXPENSES ($55,044.10.)

Aikenhead Hardware, Ltd.: Glass, 27.00: iron, hardware, etc., 95.86: Keys, 18.00: glue, 20 lbs., 4.00: sash cord, 20 lbs., 9.00: band saws 2, 3.85: weather strips, 7.08: nails, 5.50; latches, 6.00; chamois skins, ½ doz., 4.50; razor strops, 1 doz., 6.00; wire guards, 15.00: wire cloth, 8 yds., 4.00	205 79
Am. Medico Psychological Ass'n: Annual dues, 1904 and 1905	10 03
Am. Journal of Insanity: Sub., 5.03; *Alienist and Neurologist*: Sub., 5.00	10 03
Beardmore & Co.: Shoe leather, 176.27; nails, rivets, thread, etc., 15.90	192 17
Beardmore Belting Co.: Belting, 100 ft., 16.34; Bull, E. C.: photo suplies, 8.00	24 34
Bigley, R.: Cuspidors, 1 doz., 6.25; oil stoves, 8, 8.80	15 05
Balfour & McLaren: Tea, 1000 lbs., 190.00; Butler, Jas.: Yarn, 650 lbs., 335.00	525 00
Barron, R.: Lamp shades, 10.75; sundry groceries, 19.52	30 27
Bonner, J.: Roach: powder, 20 lbs., 10.00; *British Med Ass'n Sub*, 6.09	16 00
Bell Tel. Co.: Messages, 12.75; Bursar: To pay sundry items, 76.93	89 68
Beemer, N. H., M.D.: Balance *re* table allowance, 435.01; allowance, *re* furniture and furnishings, 86.58; car tickets, 16.00: expenses attending Medical Convention St, Louis, 100.00	637 59
Central Prison Industries: Blankets, 1008 lbs., 424.60; tweed, 564 yds., 282.25; wire springs, 12, 24.00; wrappers, 3.50; dumb bells, 50 pairs, 17.63; boots, 48 prs., 79.20; slippers, 84 prs., 102.90	934 08
Canadian Oil Co.: Coal oil, 311 gals., 61.28; white lead, 1000 lbs., 46.00; raw oil, 43 gals.,19.78; packing, 9 lbs., 7.50; floor wax, 110 lbs., 8.25; paints and oils, 28.69	171 50
Cressman, A. W.: Shirting, 441 yds., 52.98; cotton, 400 yds., 44.00	96 98
Caulfield, Burns & Gibson: Mitts, 7 doz., 31.88; Canada Biscuit Co.: Biscuits, 28.27	60 15
Campbell, A.: Middlings, 4½ tons, 84.00; chopping feed, 24.31; bran, 3 tons, 51.45	159 76
Cameron, L. K.: Stat'y and paper, 209.81; Connal, P. & Son: Coffee, 350 lbs., 92.50	302 31
Crawford, Jas.: Rolled oats, contract, 65 bbls. @ 4.25	276 25
Cataract Refining Co.: Cylinder oil, 43 gals., 28.15; Eng. oil, 40 gals., 17.96	46 11
Common Sense Mfg. Co.: Roach powder, 5.00; Cowan, J.: Cleaning chimneys, 13.75	18 75
Can. Gen'l Electric Co.: Electrical supplies, 203.78; Craib, A.: Board of messenger, 7.00	210 78
Chandler & Massey: Rubber gloves.2 prs..2.50; vaccine,16.00; surgical appliances.173.68	192 18
Carveth, J. A. & Co.: Medical books, 6.00; Copp Clark Co.: Stat'y, 9.36	15 36
Craib, Jno.: Horseshoeing, 102.98; Coles, Geo.: Confectionery, 9.20	112 18
Cyderman, G. W.: B'd for mes'ger and horses, 121.40; Can. Exp. Co.: Exp. chgs., 71.52	192 92
Doyle, The M. Fish Co.: Fish, 15.215 lbs., 1.219.05; Davis, Jno. & Son: Flower pots, 1650, 60.00	1,279 05
Dineen, W. & D. Co.: Felt hats, 7 doz., 42.00; straw hats, 3 doz., 9.00; sundries, 3.00	54 00
Duncan, Mary G.: Services trained nurse	51 00
Devins, I.N.: Ice cream, (picnic), 9 gals, 11.25; sundries, 3.00	**14 25**
Eckhardt, H. P. & Co.: Raisins, 336 lbs., 25.20; sugar, 7,675 lbs., 293.38; rice, 5000 lbs., 190.63; tomatoes, 6 doz. cans, 6.30; tobacco, 269 lbs., 104.91; nutmegs, 5 lbs., 4.00	614 42
Eureka Mineral Wool Co.: Asbestos pipe covering	22 53
Eby Blain Co.: Tea, 1000 lbs., 250.00; currants, 705 lbs., 45.83; coffee, 165 lbs., 24.25; matches, 17 c/s, 53.75; sugar, 21,526 lbs., 963.44; starch, 774 lbs., 58.05; extracts, 6 doz., 18.00; tomatoes, 5 c/s., 10.70; chicken soup, 4 doz., qts., 11.40:	

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, MIMICO.—*Continued.*

EXPENSES.—*Continued.*

mustard, 22.80; pepper, 50 lbs., 9.50; prunes, 500 lbs., 32.50; rice, 6,969 lbs., 281.33; pickles, 1 bbl., 16.25; baking powder, 35 lbs., 8.75; syrup, 4,231 lbs., 157.95; raisins, 715 lbs., 58.78; corn, 2 c/s, 4.80; sapolio, 2 gro., 22.60; borax, 112 lbs., 7.28; tobacco, 570 lbs., 222.30; tapioca, 186 lbs., 7.44; wrapping paper, 6 reams, 15.75; paper bags, 18.25; sundries, 50.12 ..... 2,371 82

Flett, Lowndes & Co.: Holland, 49 yds., 8.82; silesia, 550 yds., 99.53; linen thread, 11 lbs., 27.35; sundries, 15.38; buttons, 27.63; elastic, 7.00; thread, 2 gro., 10.80; canvas, 150 yds., 20.25; needles, 6000, 6.00 ..... 222 76

Foy, Geo. J.: Spirits for medicinal purposes 90 00

Fraser, Rev. R. D.: S. S. publications, 7.00; Farm Exchange Account: Hogs, 2,348 lbs,. 167.66 ..... 174 66

Godden, C. P.: Glass, 20.00; grindstone, 7.00; solder, 62 lbs., 15.75; shovels, 1 doz., 15.00; manure forks, 1 doz., 9.60; padlocks, 1 doz., 3.00; castings, 22.25; iron hardware, etc., 160.63; gauge glasses, 7.25; dippers, 1 doz., 3.00; hand bells, ½ doz., 3.00; spades, 1 doz., 15.00; rakes, 2 doz., 15.00; steam trap, 15.00; nails, 5 kegs, 14.40; discs, 8.40; galv. pails, 2 doz., 10.00; dish pans, ½ doz., 6.00; oil cans, 1 doz., 3.00; lead pipe, 50 ft., 4.76; snow shovels, 1 doz., 6.50 ..... 364 54

Gutta Percha & Rubber Mfg. Co.: Rubber boots, 2 prs., 9.76; tar paulin, 7.20 ..... 16 96

Grant-Hamilton Oil Co.: Paint, 10 gals., 7.50; Gurney Foundry Co.: Castings, 10.35.. 17 85

Gowans Kent & Co.: China, glassware, etc., 59.18; lamp and shade, 8.62; tea cups, 15 doz., 10.50; bowls, 5 doz., 3.35; jugs, 2 doz., 4.80; plates, 10 doz., 6.00; tumblers, 1 gro., 3.60..... 96 05

Grand & Toy: Stationery, 4.60; blank books, 7.20..... 11 80

Gegnac, Rev. T. F.: Car tickets, 8.50; Gripton, C.: Rubber stamps, etc., 15.05 .. 23 55

Grenadier Ice & Coal Co.: Ice, 298-1150 tons, 345.39; Gibson, E. H.: Services trained nurse, 42.00 ..... 387 39

Graham, R.: Rolled oats contract, 10 bbls. @ 5.00 ..... 50 00

Griffin Curled Hair Co.: Hair, 200 lbs., 70.60; Glionna's Orchestra, Music supplied, 26.20 96 80

G. N. W. Tel. Co.: Telegrams, 54.48; G. T. Railway Co.: Freight charges, 17.99.. 72 47

Hamilton, W. H.: Rice, 2240 lbs., 89.60; currants, 434 lbs., 30.42; matches, 3 gro., 3.60 123 62

Henry Co'y: Tapioca, 190 lbs., 6.10; corn starch, 160 lbs., 9.60; tobacco, 300 lbs., 117.00 132 70

Howland, H. S. Sons & Co.: T'le spoons, knives, etc., 1½ gro., 40.80; razors, 1 doz., 10.20; strops, 1 doz., 4.20; lawn mowers, 12, 51.00; iron hardware, etc., 61.54 ..... 167 74

Hunter, R.: Purchase of meat, 5,472.59; Hunter, Moses: Corn, 20 bu., 12.82 ..... 5,485 41

Hamilton, W. B. Shoe Co.: Boots and shoes, 134 prs., 139.25; laces, 12 gro., 10.75 . 150 00

Hall, R. & Son.: Sheeting, 444 yds., 111.06; bath towels, 12 doz., 57.60; crash, 274 yds., 31.51 ..... 200 17

Heeson Grate Bar Co.: Grate bars, 778 lbs., 35.00; Hodgson, Grace: Services trained nurse, 57.00 ..... 92 00

Heather, H.: Iron, tinware, repairs, etc., 184.62; Hobbs Hardware Co.: Disinfectant, 45 gals., 61.43 ..... 246 05

Inglis, Jno. Co.: Repairs to boilers, 42.38; Jamieson, P.: Overcoat, 9.00 ..... 51 38

Keith & Fitzsimons Co.: Electrical fittings, 24.10; Keilty, M.: Car tickets, 23.00 ... 47 10

Kent, Ambrose & Sons: Clock repairs, 7.70; thermometers, 1 doz., 6.00 ..... 13 70

Kay, Jno. Son & Co.: Muslin, 10.14; cleaning carpets, 5.70; drapery, silk, 5 yds., 4.05 19 89

Lane, Andrew: Rep'g harness, 23.60; Larkin, P. C.: & Co.: Tea, 2361 lbs., 590.25 613 85

Lukes, B.: Services, 1 mo. as Asst. Matron, 25.00; Lott, B. O.: Honey, 702 lbs., 49.14 74 14

London Ammonia Co.: Powder ammonia, 227 lbs 13 62

Marshall, G. E., M.D.: Medical services re smallpox patient, 33 days @ 6.00 per diem 198 00

Morrison, The Jas. Brass Mfg. Co.: Repairs 9 45

Murray, W. A. & Co.: Curtains, 5 prs., 35.00; table covers, 2, 6.50; duck, 217 yds., 27.16; doylies, 2 doz.,4.00; sundries, 104.28; cambric, 100 yds..19.24; t'le linen, 25 yds.,25.00; shirtings, 57 yds., 18.16; madras, 48 yds., 28.20; print, 166 yds., 19.14; embroidery, 45 yds., 9.00; matting, 17 yds., 6.80; silkoline, 40 yds., 5.84; braces, 10 doz., 30.00; flannelette, 62 yds., 7.81; bath towels, 1 doz., 9.00; fringe, 98 yds., 6.75; dimity, 50 yds., 10.00; elastic, 3 doz., 7.50; sateen, 35 yds., 10.42; muslin, 112 yds., 17.83; quilts, 102, 89.25; silk, 8 yds., 4.40; tapestry, 21 yds., 27.64; lustre, 65 yds., 39.00; cretonne, 37 yds., 9.85; towels, 5 doz., 17.00; napkins, 4 doz., 14.00; rugs, 44 50; counterpanes, 2, 12.00; dress goods, 10 yds., 6.75; drapery, 5.10 ..... 677 12

Mann, Jno. & Sons: Nut and stove coal, 218-1920 tons @ 6.20 ..... 1,357 55

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, MIMICO.—*Continued.*

EXPENSES.—*Continued.*

Moore, Wm. & Son: Prunes, 1500 lbs., 100.63; lemons, 8 c/s, 27.65; nuts, 120 lbs., 16.20; oranges, 3 c/s, 10.88; raisins, 2 boxes, 6.50; cranberries, 1 bbl., 10.00; cherries, 18 baskets, 24.30; peaches, 20 baskets, 20.00 ... ... 216 76

Maloney, Jno. & Co.: Cement, 24½ bbls., 65.25; lime, 25,66; teaming, 10.40; plaster, 2 bbls., 4.00; tile, 900 ft., 20.25; hair, 1.00; fire clay, 5.00; fire brick, 3m., 30.00; sundries, 6.70; brick, 100, 10.00 ... ... 179 26

Matthews, F.: Smoking hams, 5.11; Munro Bros.: Drugs and chemicals, 651.60 .... 656 71

Maher, P.: Livery hire, 27.00; Mallon, Jno & Co.: Veal, 19.46 ... ... 46 46

Mimico Electric Ry.: Car tickets, 13.05; Might Directories, Ltd.: Directory, 6.00 .... 19 05

Macdonald, Jno. & Co.: Shaker, 1498 yds., 157.66; denim, 440 yds., 91.47; suiting, 104 yds., 229.90; cotton, 3182 yds., 283.84; towelling, 550 yds., 57.97; print, 511 yds., 51.10; horse blankets, 3, 6.50; muslin, 168 yds., 19.33; ribbon, 16.20; braces, 10 doz. pr., 17.50; sweaters, 7.88; handkerchiefs, 15.25; ties, 9.00; shawls, 9.00; lining, 101 yds., 10.47; batting, 6 bales, 42.00; shirting, 912 yds., 119.50; sheeting, 610 yds., 136.86; towels, 24 doz., 71.90; flannelette, 266 yds., 27.98; sundries, 71.26; crochet cotton, 9 gro., 58.40; linen, 10 yds., 5.00; lustre, 16 yds., 8.95; dress goods, 78 yds., 16.80; rugs, 18.60; tabling, 145 yds., 67.48; cretonne, 505 yds., 44.73; thread, 34.58; napkins, 8 doz., 12.00; embroidery, 16.08; print, 1791 yds., 180.90; cocoa mats, ½ doz., 6.88; corduroy, 121 yds., 105.88; buttons, 29.75 ... ... 2,058 60

McMahon, Broadfield & Co.: Jugs, 10 doz., 26.00; plates, 53½ doz., 42.38; tea plates, 20 doz., 14.00; china ware, etc., 28.80; cuspadors, 1 doz., 7.50; tumblers, 3 gro., 14.40; bowls, 37 doz., 29.15; platters, 1 doz., 3.60; covered dishes, 1 doz., 5.60; tea cups, 36 doz., 19.20; ewers, 1 doz., 4.00 ... 194 63

McWilliam & Everist: Berries, 33.75; Macdonald, H. S.: Drugs & chemicals, 25.49. 59 24

McElroy, B.: Trav. expenses, 6.00; McKay, A.: Services temp'y baker, 35.00 ... 41 00

McLaughlin, M. & Co.: (Balce 1903, Flour contract, 100 bbls. @ 3.37½, 337.51; (1904 contract) 340 bbls. @ 3.70; 1,258.00; (16c. additional) 586½ bbls. @ 3.86, 2,263.89 3,859 40

Nelson, H. W. & Co.: Pipes, 17.59; mirrors, 3.35; playing cards, 6 doz., 7.20; whisks, 2 doz., 3.70; brooms, 50 doz., 134.46; hair brushes, 2 doz., 12.50; combs, 2½ gro., 22.75; sundries, 4.42 ... ... 205 97

Nisbet & Auld: Tweed, 288 yds., 283.09; Nugent, Jno.: Drugs and chemicals, 34.15 . 317 24

Ontario Rubber Co.: Packing, 24 lbs., 18.19; gaskets, 32 lbs., 27.42; hose, 12 ft., 4.20; rubber boots, 8 prs., 27.20; oiled jackets, 2, 3.00; oiled pants, 2 prs., 3.00; overshoes, 21 prs., 15.46; pneumatic mattrass, 22.50; hospital sheets, 4 doz., 86.40; sundries, 15.21 ... ... 222 58

O'Connor, Wm.: Berries, 21.10; Ont. Pubg. Co.: Sub. *"Canada Lancet"* 3 yrs., 6.00.. 27 00

Pugsley, Dingman & Co.: Ldry soap, 22,338 lbs., 1,005.82; Petrie, H. W.: Vise, 14.00.. 1,019 82

Piper, N. L., Railway Supply Co.: Lanterns, 1 doz... ... ... 9 00

Park, Blackwell Co.: Creamery butter contract, 19,280 lbs.. ... ... 3,952 41

Peterboro Hardware Co.: Linseed oil, 43 gals., 20.53; white lead, 1,000 lbs., 46.50; turpentine, 39 gals., 34.32 ... ... 101 35

Queen City Oil Co.: Coal oil, 357 gals., 56.20; safety oil, 433 gals., 90.73; paraffine wax, 311 lbs., 28.44 ... ... 175 37

Quinlan, M. H.: Car tickets 28 00

Ryan, Wm. & Co.: Butter contract, 299 lbs. @ 17c., 50.83; creamery butter contract, 448 lbs., @ 21c., 94.08; eggs, 3840 doz., 851.45; turkeys, 792 lbs., 143.64; flour, 1 bbl., 5.75; geese, 617 lbs., 74.04; bacon and hams, 34 lbs., 4.59; rolled wheat, 45 bbls., 140.00; corn meal, 25 bbls., 103.75; salt, 40 bbls., 72.75; onions, 4 bags, 6.60; maple syrup, 5 gals., 5.00; sundries, 3.30; cheese, 3329 lbs., 344.70; evap. apples, 500 lbs., 35.00; beans, 37 bu., 55.13 ... 1,988 61

Rutherford, Marshall & Co.: Butter contract, 3579 lbs. @ 16½c.. ... ... 599 48

Rogers, Elias Co.: (Balce 1903 coal contract) Large egg, 157 tons @ 6.10, 957.70; cannel, 24-1810 tons @ 6.95, 173.09; soft scgs., 36-430 tons @ 3.95, 143.05; cord wood, 40½ cords @ 6.65, 269.33; (1904 contract) soft scgs., 142-1475 tons @ 3.35, 478.17; grate, 1837-1045 tons @ 6.07, 11.153.76 ... ... 13,175 10

Rice Lewis & Son: Boiler tubes, 32 70; iron, 6.98; fire set, 6.00; athletic goods, 29.70; table ware, etc., 17.50 ... ... 92 18

Rogers Furniture Co.: Repg. furniture, etc., 22.65; tow, 229 lbs., 6.87 ... ... 29 52

Rolph, Smith Co.: Engraving, 11.25; Robertson, The Jas. Co.: Castings, 30.92 ... 42 17

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, MIMICO.—*Concluded.*

EXPENSES.—*Concluded.*

Rogers, Chas. & Sons Co.: Rep'g & upholst'g, 41.60; perf. seats, 72, 10.80; tow, 641 lbs., 28.63 ..... 81 03
Rathbone, G.: Sawdust, 3.20; lumber, etc., 10.68 ..... 13 88
Rennie, Wm.: Seeds, bulbs, etc., 69.88; Rutz, J. E.: Graham flour, 400 lbs., 8.00 ..... 77 88
Swan Bros.: Poultry, 63.78; raisins, 116 lbs., 10.44; sugar, 199 lbs., 10.93; biscuits, 99.08; beeswax, 10 lbs., 6.00; paper bags, 23.59; paper, 16.01; soap, 16.20; tubs, 18, 13.75; coffee, 400 lbs., 110.00; cocoa, 6 lbs., 3.00; candies, 40.40; sapolio, 4 gro., 44.00; sago, 158 lbs., 6.72; baking powder, 210 lbs., 52.50; cinnamon, 35 lbs., 10.00; vanilla, 2 doz., 9.00; twine, 64 lbs., 18.89; sundries, 118.43; pepper, 175 lbs., 36.75; chicory, 75 lbs., 8.05; lye, 1 c/s, 3.75; pipes, 2.55; pails, 5 doz., 10.50; wash boards, 2 doz., 4.20; starch, 90 lbs., 7.35; tomatoes, 3 c/s, 6.60; sardines, 1 c/s, 10.00; camphor, 10 lbs., 12.50 ..... 778 97
Sparrow, W. H.: Table knives, 2 doz., 11.00; brass kettle and stand, 6.00; scales, 5.00; iron, tinware, etc., 62.69 ..... 84 69
Sullivan, J. C.: Tobacco, 510 lbs., 198.90; Standard Vinegar Co.: Vinegar, 26 gals., 23.20 222 10
Smith, Jno. B. & Sons: Lumber, etc., 443.30; picture moulding, 9.00 ..... 452 30
Sutcliffe, J. & Sons: Batting, 6 bales, 45.00; flannelette, 584 yds., 46.72; cotton, 535 yds., 48.17 ..... 139 89
Sewart & Wood: White lead, 2,000 lbs., 95.00; turpentine, 89 gals., 77.40; boiled oil, 93 gals., 50.39; paints and oils, 42.25; japan dryer, 10 gals., 9.00; varnish, 10 gals., 8.00; wall brushes, 1 doz., 16.25; sundries, 33.63; oak varnish, 5 gals., 8.75; glass, 41.90 ..... 382 57
Sheridan Mfg. Co.: Castings, 52.18; Smith Bros.: Rep'g vehicles, 5.75 ..... 57 93
Sanderson & Rossiter: Assorted brushes, 7 doz., 17.60; scrubs, 11 doz., 24.20; dusters, 2 doz., 6.00; sundries, 11.70 ..... 59 50
Smith's Dye Works: Cleaning & dying, 17.00; Slater, Jno.: Horseshoeing, etc., 55.84 .. 72 84
Sadler & Haworth: Leather belting, 30 ft., 39.00; lacing, 200 ft., 4.00 ..... 43 00
Sundry Newspapers: Advertising: Advertising *re* supplies, 133.30; *re* fuel, 60.00 .... 193 30
Smith, Andrew: Harness repairs, 60.23; harness, 1 set, 40.00 ..... 100 23
Smith, A., V.S.: Professional services and medicines 30 25
Steele, Briggs Seed Co.: Seeds, bulbs, etc., 89.62; oil cake, 67.75 ..... 157 37
St. Charles, W. P.: Trav. expenses, 21.00; admissions of patients to exhibitions, 25.00 46 00
Taylor, Jno. & Co.: Toilet soap, 8 gro., 57.60; Thompson, Geo. A.: Mail bag, 8.50 .. 66 10
Toronto Salt Works: Salt, 6 bbls., 8.10; land plaster, 6 bags, 4.85 ..... 12 95
Tulley, J. D.: Drugs and chemicals, 28.38; Toronto Railway Co.: Car tickets, 23.45 .. 51 83
Turnbull, J. C. & Co.: Shirting, 556 yds., 83.36; hessian, 554 yds., 105.26; ticking, 617 yds., 117.18; linen, 24 yds., 12.00 ..... 317 80
Vance & Co.: Plums, 25 baskets, 17.50; peaches, 30 baskets, 25.50 ..... 43 00
Vienna Pressed Yeast Co.: Yeast, 339 lbs 88 14
Warren Bros. & Co.: Sugar, 15657 lbs., 632.52; tobacco, 510 lbs., 198.90; sundries, 2.50; raisins, 140 lbs., 9.80; sapolio, 4 boxes, 11.40 ..... 855 12
Wenger, Aaron: (Balance 1903 butter contract), 2678 lbs. @ 21c 562 38
Wheeler & Bain: Oil stoves, 12, 17.40; galv. iron pails, 3 doz., 12.60; iron, tinware, etc., 20.25; iron handles, 6 doz., 7.20; milk cans, 4, 8.00; wash boilers, 2, 6.00 ..... 71 45
West Chemical Co.: Disinfectant, 40 gals., 40.00; Warwick Bros. & Rutter: Printing and stationery, 103.85 ..... 143 85
Wood, W. Lloyd: Vaccine, 15.00; Werden, A.: Postage stamps, 140.00 ..... 155 00
Wilson, H. A. Co.: Athletic goods, 7.20; subs. magazines, etc., 51.20 ..... 58 40
Sundry persons: Accounts unenumerated under 10.00 ..... 56 70

ASYLUM FOR INSANE, BROCKVILLE.

SALARIES ($25,553.58.)

J. B. Murphy, M.D.: One months' salary as Medical Superintendent 158 33
T. J. Moher: Eleven & one-third do do 1,802 96
R. W. Bruce Smith, M.D.: Nine months' salary as Assistant Physician 975 00
J. C. Mitchell, M.D.: Three do do 325 00
Harvey Clare, M.D.: Twelve do 2nd do do 850 00
W. P. Dailey: do Bursar (board) (rent allowance) 1,650 00

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, BROCKVILLE.—*Continued.*

SALARIES.—*Continued.*

J. A. Laidlaw: Twelve months' salary as		Storekeeper (board) (rent allowance)	1,000 00
R. A Bush:	do	Engineer	550 00
W. J. Fraser:	do	Asst. Engineer	400 00
D. McCrimmon:	do	Farmer	550 00
W. J. McKay:	do	Messenger	475 00
J. Weatherstone:	do	Carpenter	550 00
P. Crilly:	do	Tailor	500 00
P Kilgour:	do	Baker (board)	525 00
Jno. Richards:	do	Gardener (rent allowance)	534 00
W. Ferguson:	do	Chief Attendant	400 00
Male Supervisors (6):	do		1,918 79
Male Attendants (16):	do		3,672 30
Stokers (4):	do		863 61
Night Watchmen (2):	do		537 00
W. Hough:	do	Laundryman	300 00
T. Tenant: Five & one-half	do	Farm Hand	101 33
A. Arnold: Six	do	do	122 00
E. J. Burns: Five	do	Butcher	136 44
Jas. Bolger: Seven	do	do	175 00
J. R. Gibson: Twelve	do	Matron	500 00
H. E. Robertson: Six & one-half	do	Asst. Matron	166 13
L. McGillicuddy: Three	do	do	84 67
M. A. Kitts: Two	do	do	50 00
M. A. Kitts: Ten	do	Chief Female Attendant	208 31
Female Supervisors (6): Twelve	do		1,176 00
Nurses (14):	do		2,080 12
Female Night Watches (2):	do		324 00
M. J. Collins:	do	Seamstress	180 00
Cooks (3):	do		407 64
Laundresses (3):	do		528 00
Maids (3):	do		552 03
Bertha Walsh:	do	Stenographer	224 92

EXPENSES. ($68,400.25.)

Abbott, A.: Hay, 22 tons, 370 lbs., 199.66; *Am. Med. Journal*: Sub., 5.00	204 66
Baird Bros.: Print, 431 yds., 45.28; ticking, 216 yds., 43.20; needles, 1.60; shirting, 300 yds., 38.94	129 02
Brown & Semple: Heintz steam traps, 2, 15.80; castings, 7.87	23 67
Brown, H. & Sons: Bran, 8½ tons, 158.88; chop feed, 12 tons, 278.00; seeds, 19.48; oats, 125 bus., 52.25; apples, 3 bbls., 8.25	516 86
Bradfield, Mrs.: Straw, 3 tons, 760 lbs., 16.90; Beattie, Jno.: apples, 22 bu., 11.00	27 90
Buell, C. H. & Sons: Oranges, 23.70; grapes, 6.50; cranberries, 1 bbl. 10.50; candy, 24.82; cherries, 4.00; peaches, 8.30; sundries, 13.73	91 55
Brockville Waterworks: Water, 2.000.00; Brockville Light & Power Co., gas, 3,156.69	5,156 69
Bissell, H.: Cheese, 3.839 lbs., 431.82; Butler, Jas.: Yarn, 200 lbs., 100.00	531 82
Blair, H.: Turkeys, 209 lbs., 35.53; geese, 675 lbs., 97.75	[illegible]
Braniff, J. E.: Tweed, 50 yds., 60.00; cottonade, 120 yds., 31.20; silesia, 80 yds, 17.71; canvas, 75 yds., 13.13; linen thread, 4 lbs., 11.00; buttons, 14.00; needles, .80	147 84
Booth Bros.: Eggs, 907 doz., 153.72; Bursar, to pay sundries, 22.08	175 80
Blair, Jno.: Maple syrup, 44 gals., 44.00; berries, 20.16	64 16
Buchanan & Sheridan: Interments, 168.00; hair, 200 lbs., 80.00; dresser, 12.00; fibre, 243 lbs., 19.44; twine, 6 lbs., 3.00; ticking, 56 yds., 11.30; sundries, 10.61	304 35
Bell Telephone Co.: Messages, 10.45; repairs, 14.86	25 31
Can. Oil Co'y.: Ldry soap, 2,002 lbs., 110.11; Cossitt, C. T.: ldry soap, 3 boxes, 11.25	121 36
Central Prison Industries: Blankets, 840 lbs., 357.50; tweed, 757 yds., 370.00; bed fabrics, 12, 24.00; tools, 6.65	758 15
Coates, Wm. & Son: Tableware, 5 doz., 27.85; sheet music, 14.07; repg. clocks, 1.75	43 67
Cameron & Soper: Plates, 5 doz., 4.50; pitchers, 3 doz., 16.00; plates, 13 doz., 13.20; tumblers, 10 doz., 5.00; bowls, 11 doz., 12.90; covered dishes, 1 doz., 4.80; tea cups, 15 doz., 10.50; gal. jugs, 4 doz., 24.00; chinaware sundries, 26.58; fruit jars, 5 doz., 3.75; chambers, 5 doz., 20.00	141 23

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, BROCKVILLE.—*Continued.*

SALARIES.—*Continued.*

Cameron, A. E.: Bran, 6¾ tons, 127.50; oats, 300 bu., 111.00; sundries, 2.00; chop feed, 6 tons, 133.50 ..... 374 00

Crawford, Jas.: (Balce. 1903 potato contract) 147 5-6 bus. at .70. 103.48; (1904 contract) 2,418 bu., @ 64c., 1,546.43 ..... 1,649 91

Cummings, Jas.: (Bal'ce 1903 rolled oats contract), 10 bbls. at 4.60, 46.00; 1904 rolled oats contract, 140 bbls., at 4.20, 588.00; split peas contract, 7 bbls., at 4.90, 34.30; oats, 521 bus., 208.40; chop feed, 3½ tons, 85.00; bran, 3 tons, 56.00; chop peas, ½ ton, 6.50 ..... 1,024 20

Curry, F. R.: Drugs & chemicals, 610.27; parafine wax, 120 lbs., 21.70; sundries, 19.85 651 82

Common Sense Mfg. Co.: Roach powder, 20 lbs., 20.00; Coll. of Customs: Duty charges, 2.75 ..... 22 75

Can. Exp. Co.: Exp. charges, 7.15; C. P. Railway Co.: Freight charges, 5.31 ..... 12 46

C. P. R. Tel. Co.: Telegrams, 3.57; Cataract Refining Co.: Boiler compound, 125 lbs., 18.75 ..... 22 32

Dobbie, A. G. & Co.: White lead, 1,800 lbs., 99.00; gas, globes 16 doz., 44.00; iron hardware, etc., 69.64; boiled oil, 46 gals., 27.90; paint brushes, 6.60; turpentine, 45 gals., 50.69; varnish, 9½ gals., 28.80; shellac, 2 gals., 6.50 ..... 333 13

Davies, The Wm. Co.: Corn beef, 400 lbs., 32.00; sausage, 200 lbs., 18.00 ..... 50 00

Derbyshire, D. & Co.: (Balce 1903 butter contract), 1,528 lbs., at .22, 336.16; (1904 butter contract), 17,701 lbs. at .22, 3,894.22 ..... 4,230 38

Davis, M.: Apples, 28 bus., 14.00; Derosia, P.: Fish, 946.15 ..... 960 15

Downey, D. W.: Boots, 303 prs., 388.10; rubbers, 2.35; coat, 6.50 ..... 396 95

Dailey, W. P.: Trav. expenses, 17.35; Dwyer, P.: Wages plastering, 18.00 ..... 35 35

Elliott, Jas.: Flower pots 8 39

Farm Exchange Account: Pork, 1,870 lbs., 140.24; beef, 3,358 lbs., 218.26..... 358 50

Fairbairn, F. E.: Cylinder oil, 55 gals., 55.50: Fullerton, A.: Drugs & chems., 72.82 128 32

Ferguson, W.: Admissions of patients to circus 25 00

Gilmour & Co.: Tea, 3,430 lbs., 857.50; coffee, 1,000 lbs., 270.00; sugar, 49,366 lbs., 1,934.53; syrup, 234 gals., 79.99; tobacco, 1,221 lbs., 493.95; rice, 10,750 lbs., 362.83; prunes, 9,500 lbs., 522.50; figs, 8,079 lbs., 446.37; raisins, 382 lbs., 32.10; sago, 1,593 lbs., 79.65; salt, 66.45; borax, 150 lbs., 10.75; evap. apples, 2,064 lbs., 112.20; currants, 288 lbs., 15.20; pickles, 8 doz., 19.10; sauces, 1 doz., 6.50; corn starch, 280 lbs., 19.40; laundry starch, 1,200 lbs., 63.75; pot barley, 27.00; brooms, 49 doz., 112.10; sal soda, 31.90; baking powder, 12 doz., 18.00; canned fruit, 118 doz. cans, 232.80; canned vegetables, 28 doz. cans, 35.20; asst'd jam, 294 lbs., 24.29; vinegar, 160 gals., 32.30; matches, 10 cases, 40.00; tapioca, 342 lbs., 13.68; mustard, 27 jars, 20.05; table raisins, 5.50; scrub brushes, 15½ doz., 19.38; soap, 64.99; lye, 4 cases, 14.60; lard, 1,880 lbs., 187.40; lobsters, 1½ doz., 5.13; pepper, 132 lbs., 28.12; pearline, 1 case, 3.80; combs, 50 doz., 36.68; blueing, 56 lbs., 6.72; cocoa, 2 doz., 4.80; nails, 1 doz., 2.20; codfish, 180 lbs., 12.60; salmon, 12 doz., 19.20; asst'd peel, 42 lbs., 7.00; breakfast foods, 15.63; asst'd nuts, 25.50; toilet paper, 1 case, 6.50; cuspadors, 1 doz., 7.50; sundries, 203.71 ..... 6,657 05

Greene, J. & Co.: Stationery, etc., 96.50; Gurney Foundry Co.: Boiler repairs, 16.90 113 40

Grant, Hamilton Oil Co.: Ldry. soap, 4,236 lbs., 211.83; Gripton, C.: Rubber stamps, etc., 16.20 ..... 228 03

Gordon, J. F.: Yarn, 398 lbs., 143.30; G. T. Railway Co.: Freight charges, 59.70 .... 203 00

Gillerlain, Wm.: Hay, 12 tons, 108.04; straw, 1,630 lbs., 4.07 ..... 112 11

Herron, Jas. A.: Apples, 89.80; Hobbs Hardware Co.: Disinfectant, 44 gals., 44.50 134 30

Hunter, R.: Purchase of meat, 8,124.77; Hazelton, Geo. W.: Patterns, 5.00 .. 8,129 77

Hay Floral & Seed Co.: Wreath (late Dr. Murphy), 18.00; seeds & bulbs., 7.38 .. 25 38

Judson, Joel: Repg. vehicles, 6.50; Johnston, C. W.: Inspection of scales, 7.00 13 50

Kehoe, M. J.: Serge, 121 yds., 333.78; buttons, 3.00; cottonade, 222 yds., 62.16; silesia, 53 yds., 7.95; canvas, 150 yds., 22.50; linen thread, 8 lbs., 23.20; lining, 76 yds., 60.60 ..... 513 19

Kingston Asylum: Scrub brushes, 15 doz. 30 00

Lewis & Patterson: Sundry furnishings, 45.23; cotton, 3,222 yds., 317.52; sheeting, 1,138 yds., 238.11; thread, 64.35; pillow cotton, 98 yds., 18.62; shirting, 779 yds., 109.02; cheese cloth, 294 yds., 14.70; lining, 58 yds., 8.98; towels, 9 doz., 19.55; flannelette, 1,196 yds., 134.11; bed spreads (66), 72.70; buttons, 22.00; braces, 11 doz., 26.40; rubber sheets (108), 169.20; lace curtains, 18 prs., 64.00; napkins, 2 doz., 7.00; ticking, 94 yds., 19.16;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, BROCKVILLE.—*Concluded.*

SALARIES.—*Continued.*

towelling, 598 yds., 65.83; print, 374 yds., 42.18; drill, 70 yds., 12.65; flannel, 404 yds., 64.44; burlap, 205 yds., 30.75; corsets, 1 doz., 10.00; galatea, 597 yds., 86.57; table linen, 13½ yds., 18.90; muslin, 153 yds., 30.70; denim, 20 yds., 6.00; lawn, 48 yds., 9.60; window shades, 18.00; butcher's linen, 59 yds., 10.58; dimity, 106 yds., 31.95 ..... 1,788 80

LeClair, C. W.: Straw hats, 10 doz., 17.50; sundries, 7.45; caps, ½ doz., 3.00 ..... 27 95

Lyman, C. C. & Co.: Ticking, 277 yds., 54.79; flannelette, 1,001 yds., 115.42; towelling, 847 yds., 94.28; corsets, 1 doz., 9.00; cotton, 877 yds., 90.33; spools, 10½ gro., 70.87; shirting, 384 yds., 45.31; print, 676 yds., 81.13; butter cloth, 221 yds., 13.29; sundries, 7.50; braces, 6 doz., 15.00 ..... 596 92

London Asylum: Clothes baskets, 1 doz., 12.00; Lott, B. O.: Honey, 623 lbs., 43.61 .... 55 61

Lane, Jos.: Chambers, 22 doz., 88.00; jugs, 3 doz., 18.00; cups & saucers, 10 doz., 11.00; bowls, 15 doz., 16.50; plates, 14 doz., 13.75; cups, 10 doz., 5.50; tumblers, 5 doz., 2.50 155 25

Murray, H. T.: Yeast, 357 lbs., 124.99; honey, 178 lbs., 23.06; sundries, 42.46; biscuits, 10.80; oranges & lemons, 11.00; fruit jars, 2 doz., 5.40 ..... 217 71

Moore, W. H.: Subscriptions, 6.00; Murray, J. P.: Straw, 14-1560 tons, 73.90 ..... 79 90

Mott, M.: Ice, 507-370 tons, 253.59; Moore & Mowat: Tweed, 200 yds., 109.86 ..... 363 45

Miller, A. C.: Postage stamps, 154.00; chloride lime, 62.45; parafine wax, 79.48; ..... hair brushes, ½ doz., 3.00; sundries, 12.05 ..... 310 93

Metropolitan Soap Co.: Laundry soap 628 76

Murphy, J. B., M.D.: Balce *re* table allowance, 47.29; allowance *re* furniture and furnishings, 15.40; trav. expenses, 20.55 ..... 83 24

Moher, T. J., M.D.: Balce *re* table allowance, 328.80; allowance *re* furniture & furnishings, 77.66; trav. expenses, 37.05 ..... 443 51

Mitchell, J. C., M.D.: Expenses re transfer from Toronto 51 57

McBrearty, M.: Trav. expenses insp. of boilers, 8.35; McCaw, J. F.: Lime, 20 bus., 7.00 15 35

McLaughlin, M. & Co.: Flour contract, 465 bbls., at 3.70, 1,720.50; (.16 additional) 514½ bbls. at 3.86, 1,985.97 ..... 3,706 47

McKimm, C. A.: Boots & shoes, 228 prs., 223.20; McGee, Jno.: Wages plastering, 90.00 313 20

Neilson, W. H.: (Balce 1903 meat contract), 12,734 lbs. at .6, 764.04; lamb, 3.75 .... 767 79

Orme's Music Store: Repairs to instruments, 4.95; music, 2.75 ..... 7 70

Patterson, Thos.: Rent of land & orchard 50 00

Queen City Oil Co.: Headlight oil, 164 gals., 26.92; signal oil, 55 gals., 55.75 ..... 82 67

Rhodes, J. & Co.: Eggs, 2,880 doz., 609.04; bacon & ham, 1,371 lbs., 202.73 ..... 811 77

Rathbun Co.: Pine lumber 605 24

Ritchie, F. I.: Tobacco, 5.05; pipes, 6.15; subs., 28.50 ..... 39 70

Recorder Ptg. Co.: Printing, etc., 206.65; blank books, 54.20 ..... 260 85

Ryan, M.: Poultry, 48.62; sausages, 14.45; veal & lamb, 49.00 ..... 112 07

Smart, R. H.: Glass, 54.95; iron hardware, etc., 341.97; glue, 10.00; locks, 96.52; thermometers, 8.75; wringer, 5.00; shovels, 13.45; brass pipe, 6.76; mirrors, 3.50; handles, 5 doz., 6.00; ceiling plates, 8.38; castings, etc., 173.11; grindstone, 5.00; iron planes, 1 set, 8.70; nails, 6 kegs, 16.60; repg. refrigerator, 14.35; screws, 14.47; rakes (12), 6.90; hose, 100 ft., 15.00; gaskets, 6.56; belting, 50 ft., 5.50; iron, 8.93; gas globes, 8.75; latches, ½ doz., 10.50; cement, 2 bbls., 5.00; iron pipe, 552 ft., 46.66; carvers, 2 sets, 5.25; tableware, 10.05; kitchen utensils, 21.05; wire rope, 50 ft., 3.00; table forks, 2 doz., 13.50; packing, 4.38; paint, 5.70; boiler section, 35.00; grates, 1 set, 13.85; valves, 3.25; scoops, ½ doz., 6.00 ... 1,022 34

Shepherd, Heman: Print, 464 yds., 58.07; shirting, 470 yds., 60.54; duck, 10 yds., 2.30; cottonade, 122 yds., 30.51; flannelette, 44 yds., 5.57; thread, 6 gro., 32.40; sundries, 1.88; batting, 7.00 ..... 198 27

Shields, Geo. E.: (Balce 1903 coal contract), egg & stove, 1106-1780 tons at 6.57, 7,272.27; (1904 contract), egg, stove & nut, 2001-270 tons at 6.10, 12,206.93 ..... 19,479 20

Simpson, The R. Co.: Dinner set, 33.00; Semmens & Evel: Tape, 1 gro., 14.40 ..... 47 40

Smart, The Jas. Mfg. Co.: Castings, 1.54; lawn mowers (3), 14.00; sharpen'g mowers, 6.60; grate bars, 22.34 ..... 44 48

Sundry newspapers: Advertising *re* supplies, 117.15; *re* fuel, 63.00 ..... 180 15

Sykes, A. G.: Cups, 22 doz., 14.20; bowls, 10 doz., 10.00; chambers, 10 doz., 40.00; tumblers, 10 doz., 4.50; bakers, 3 doz., 3.00; chinaware sundries, 17.10; toilet sets (2), 9.00; dinner set, 22.00 ..... 119 80

Steele, Briggs Seed Co.: Seeds, bulbs, etc., 7.01; Simmers, J. A.: Seeds & bulbs, 20.51 27 52

Sheridan, W. & J.: Meat pans (10), 16.50; swill cans (4), 14.00; iron, tinware, etc., 47.80 78 30

Sherwood, Jno.: Wages as temporary baker 20 00

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, BROCKVILLE.—*Concluded.*

EXPENSES.—*Concluded.*

Troy Laundry Machinery Co.: Repairing stove	11 28
Williams, E. J.: Drugs & chemicals, 57.78; Wood, Wm. Co.: Sub. *Med. Record*, 5.00	62 78
Wright, Robt & Co.: Stationery, etc., 6.52; sundry furnishings, 62.95; batting, 7.50; table linen, 389 yds., 135.98; ticking, 212 yds., 44.86; flannel 52 yds., 10.40; curtains, 4 prs., 12.00; quilts (3), 8.10; towels, 3 doz., 18.00; towelling, 42 yds., 5.43; linen, 46.45; pillow cotton, 30 yds., 7.50; sheeting, 60 yds., 28.80; art net, 35 yds., 11.11; shaker, 100 yds., 11.00; tapestry, 8 yds., 6.00; hampers (4), 12.00; cotton, 241 yds., 22.90	457 50
York Mfg. Co.: Felt, 5 yds.	9 90
Sundry persons: Accounts unenumerated under 10.00	34 19

ASYLUM FOR INSANE, COBOURG.

SALARIES ($9,918.37).

E. C. McNicholl, M.D.:	Twelve months' salary as	Medical Superintendent	1,500 00
Harriet Cockburn, M. D.:	do	Assistant do	600 00
J. W. Smith:	do	Bursar & Storekeeper (rent allowance)	1,435 00
P. Casserly:	do	Engineer	550 00
P. Laughlin:	do	Stoker	450 00
Jas. Squires:	do	do	450 00
Jos. McDonough:	do	Baker	550 00
W. K. Stewart:	do	Gardener (rent allowance)	640 50
Adam Watson:	do	Night Watchman	300 00
A. A. Nelles:	Ten do	Matron	416 68
S. E. Hardy:	Two do	do	83 32
Cooks (3):	Twelve do		322 06
Laundresses (2):	do		345 93
Laura Newton:	do	Seamstress	140 00
E. Towl:	Two do	do	28 00
Housemaids (2)	Twelve do		284 00
Eliza J. Gunn:	do	Chief Attendant	216 00
R. J. Middleton:	do	Supervisor	204 00
R. Birchard:	Nine do	do	144 00
M. Doherty:	Twelve do	do	192 00
E. Reed:	One do	do	15 00
J. Campbell:	One & one-half do	do	23 00
Attendants (7):	Twelve do		1,028 88

EXPENSES ($13,654.37.)

Allen, W. L. & Co.: Lantern burners, 1 doz., 1.20; packing, 30 lbs., 17.13; leather belting, 14 ft., 5.89; iron hardware, etc., 28.11	52 33
Burnet, Wm.: Figs, 1073 lbs., 53.68; prunes, 1950 lbs., 126.50; soap, 5.40; sal soda, 440 lbs., 5.50; toilet paper, 12.50; jam, 469 lbs., 37.52; sundries, 12.91; china, glassware, etc., 11.70	265 71
Buffalo Forge Co.: Rep'g engine, 25.25; Butler, Jas.: Yarn, 100 lbs., 32.50	77 75
Bell Tel. Co.: Messages, 7.95; Bursar: To pay sundries, 31.45	39 40
Crozier, H.: Eggs, 411 doz., 76.82; bacon and ham, 110 lbs., 17.16; oranges, 5.00; candy, 50 lbs., 3.25; fruit & vegetables, 123.30; poultry, 16.45; sundries, 131.47; syrup, 6 gals., 6.00	379 45
C. P. Industries: Bed, 7.85; Conn, S.: Ice, 97 tons, 72.75	80 60
Campbell, J. N.: Flannel, 100 yds., 8.79; cotton, 795 yds., 56.85; boots & shoes, 38 pr., 48.60	114 24
Can. Otis Elevator Co.: Rep'g elevator, 37.50; Collings, W. J.: Rep's, cast'gs, etc., 18.65	56 15
Canadian Oil Co.: Engine oil, 46 gals., 18.40; oil soap, 77 lbs., 4.62	23 02
Cobourg World: Stationery, etc., 40.00; sub., 1.00	41 00
Collector of Customs: Duty charges, 7.50; Corp. City of Toronto: Rep'g and testing meter, 5.00	12 50

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, COBOURG.—*Continued*

EXPENSES.—*Continued.*

Cobourg Water & Electric Co.: Water, 594.82; electric light, 527.00; lamps, 2 doz., 5.00; repairs, 9.65 ..... 1,136 47

Cobourg Gas Works: Gas 21 26

Duncan Estate: Potato contract, 506 1-3 bu. @ 56c., 283.55; rolled oats contract, 16 bbls. @ 4.20, 67.20; split peas, 2.50 ..... 353 25

Denton, D.: Seeds, bulbs, etc. 13 56

Fox, Wm. & Co.: Sugar, 5595 lbs., 240.50; lard, 132 lbs., 15.00; rice, 660 lbs., 23.58; pot barley, 16.45; syrup, 86 gals., 37.20; brooms, 4 doz., 11.75; sundries, 20.36; bacon and ham, 58 lbs., 9.36; soap, 5.13; starch, 107 lbs., 6.86; sal soda, 8.73; cream tartar, 20 lbs., 5.00; ginger, 10 lbs., 2.50; vinegar, 37 gals., 9.25; lye, 2 doz., 2.40 ..... 414 07

Field & Bro.: Print, 300 yds. 36.00; flannel, 225 yds., 23.60; gingham, 150 yds., 18.75; towelling, 200 yds., 24.00; table linen, 110 yds., 34.50; buttons, 12.00; spools, 10.80; cheese cotton, 50 yds., 2.50; hair pins, 3.00; sundries, 16.13; shirting, 58½ yds., 7.32; galatea, 211 yds., 38.07; cotton, 60 yds., 4.80; weaving cotton, 25 lbs., 6.25; oil cloth, 14 yds., 3.50; corsets, 6 pr., 4.50; lawn, 25 yds., 7.50; lace, 30 yds., 3.00; ribbon, 30 yds., 3.00 ..... 259 22

Ferguson, A. C.: Milk contract, 16284 qts. @ 3¾ 610 69

Fleischmann & Co.: Yeast, 78 lbs., 23.40; Fox, J. H.: Meat, 14.56; lard, 6.30 ..... 44 26

Field Hardware Co.: Hose, 100 ft., 12.00; lawn mower, 4.00; sundries, 7.05 ..... 23 05

Grant, Hamilton Oil Co.: Engine oil, 44 gals., 17.60; cyl. oil, 49 gals., 34.85 ..... 52 65

Gould, A. J.: Drugs and chemicals 55 06

Hayden, Jno.: Iron hardware, etc., 15.80; Henderson Bros.: Lumber, 12.90 ..... 28 70

Harvey, T. R. & Son: Currants, 112 lbs., 7.84; cheese, 571 lbs., 66.62; rice, 200 lbs. 7.50; clothes baskets, (6), 4.50; coffee, 129 lbs., 32.25; pepper, 25 lbs., 5.75; tapioca, 80 lbs., 3.20; scrubs, 2 doz., 4.32; brooms, 3½ doz., 8.38; sundries, 6.10; corn meal, 5.00 ..... 151 66

Hobbs Hardware Co.: Sanitary fluid, 44½ gals., 55.63; Hardy, S. E.: Trav. exps., 5.30 ..... 60 93

London Ammonia Co.: Ammonia powder, 210 lbs 12 60

Maher, W. J.: Beef contract, 14,954½ lbs., at .7 ..... 1,046 82

Metropolitan Soap Co.: Laundry soap, 2941 lbs., 130.35; Meyer Bros.: Ldry stove, 22.00 ..... 152 35

Mullin, B.: Services as temporary clerk in Bursar's office 235 50

McIntosh, J. D.: Coffee, 160 lbs., 40.00; cream tartar, 20 lbs., 6.00; eggs, 12 doz., 2.64; trout, 1722 lbs., 156.86; turkey, 131 lbs., 17.00; geese, 98 lbs., 10.78; split peas, 9.30; sundries, 34.13; corn meal, 5.50; berries, 10.15; canned vegetables, 18 doz., 18.90; salmon, 4 doz. cans, 4.40; currants, 75 lbs., 4.88; pepper, 25 lbs., 5.75; tomatoes, 8 doz. cans, 11.20 ..... 337 49

McCallum, P. & Sons: Shawls, 24, 48.00; print, 400 yds., 49.00; gingham, 400 yds., 50.00; spools, 12 doz., 5.40; scrim, 75 yds., 9.00; rugs, 7.50; sundries, 22.90; buttons, 2.13; flannelette, 200 yds., 20.00; towelling, 100 yds., 13.00; ticking, 24 yds., 4.08; sheeting, 50 yds., 12.00; warp, 25 lbs., 7.50; corsets, 6 prs., 4.50; combs, 3.50; mats, 2.00; cheese cloth, 50 yds., 2.50 ..... 263 01

McDonell, Jno.: Freight & cartage, 25.08; McPherson, D.: Temporary clerk Bursar's office, 309.00 ..... 334 08

McLaughlin, M. & Co.: Flour contract, 53 bbls. @ 3.77½, 200.08; (16c. additional) 116 bbls. @ 3.93½, 456.45 ..... 656 53

McNichol, E. C., M. D.: Table allowance 500.00; allowance for light & fuel, 200.00; trav. expenses, 4.95 ..... 704 95

Nelles, A. A.: Trav. expenses, 8.85; Newton, Jno.: Freight and cartage, 9.37 ..... 18 22

Oke & Oke: Closet seats, 6.00; chairs, 2.64 ..... 8 64

Ovens, A.: Services temporary baker 21 42

Post, R. C.: Drugs & chems. 46.65; Postmaster: Postage stamps, 26.50; rent of box, 3.00 ..... 76 15

Plunkett, Geo.: (Balce 1903 coal contract)t Nut, 8 tons @ 5.90, 47.20; large, egg, 100-1640 tons @ 5.75, 579.70; (1904 contract) stove, 451-160 tons @ 5.90, 2,666.60 ..... 3,288 50

Ryan, The Wm. Co.: (Balce 1903 butter contract) 392 lbs. @ 21¾c., 85.01; 1904 contract, 3270 lbs. @ 21¾c., 707.79 ..... 792 80

Rooney, D. & Son: Tea, 1218 lbs., 304.50; rice, 100 lbs., 3.75 ..... 308 25

Rooney, Jno.: Apples, 7 bbls. 6 20

Stott, R. B.: Services temporary stoker, engineer, and carpenter 81 00

Service, Jas.: Rep'g boots, 13.80; Smith, J. W.: Trav. exps., 10.90 ..... 24 70

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, COBOURG.—*Concluded.*

EXPENSES.—*Concluded.*

Spencer, J. M.: Drugs, etc., 31.96; Slade, F. J.: Balance 1903 mutton contract, 152½ lbs. @ 8c., 12.20	44 16
Sundry Newspapers: Advertising *re* supplies, 16.35; *re* fuel, 58.00	74 35
Taylor, Jno. & Co.: Laundry soap, 2157 lbs., 93.76; Tyrrell, Wm. & Co., Sub., 5.00	98 76
Thompson, Geo.: Salt, 14.15; pine slabs, 2 cords, 8.00	22 15
Tait, Nelson: Interments, 20.00; screens, 4.00; repairs, .75; cab hire, 3.00; chair, 2.75	30 50
Union Cemetery Co.: Interments	9 50
Webster, J. T.: (Balce 1903 beef contract) 428 lbs. @ 7c., 29.96; 1904 mutton contract, 3912½ lbs., 313.00; pork, 163 lbs., 11.81; sundries, 39.36	394 13
Willis, A. & Co.: Boots and shoes, 36 prs	45 40
Whitelaw, W. R.: Hardware, castings, etc., 59.22; chambers, 4 doz., 18.00 valves, 34.41; closet bowl, 8.00	119 63
Wilson, R.: Drugs & chemicals, 15.75; postage stamps, 7.50; stat'y, etc., 4.95; subs., newspapers, etc., 15.00	43 20
Sundry persons: Accounts unenumerated under 10.00	34 32

ASYLUM FOR INSANE, PENETANGUISHENE.

SALARIES ($6,242.39).

P. H. Spohn, M.D.:	Five months'	salary as Medical Superintendent	750 00
Thos. McCrosson:	do	Assistant do	375 00
Jno. Ronan:	do	Bursar	416 65
Jas. Lonergan:	Seven do	Storekeeper	412 50
R. H. Stedman:	Five do	General Assistant	375 00
P. Lanonette:	do	Engineer	250 00
Geo. Bunt:	do	Asst. Engineer & Night Watchman	178 35
F. Lamercau:	do	Stoker	150 00
D. Ouelette:	do	Carpenter	216 13
R. DeNure:	do	Farmer	208 30
Thos. Harford:	do	Gardener	187 50
A. Gendron:	do	Baker and Butcher	208 30
J. Lemieux:	do	Messenger and Dairyman	166 65
Jno. Champion:	Four & one-third do	Laundryman	129 68
Jos. Gorman:	Four & one-half do	Male Supervisor	135 48
Male Attendants (4):	Five do		432 53
M. DeNure:	Two do	Stableman	36 00
W. P. Band:	Five do	Assistant Bursar	395.88
Lillie Jones:	do	Matron	226 10
R. M. Smith:	do	Chief Female Attendant	104 15
E. M. Whiten:	Two do	Stenographer	49 16
D. Beaulieu:	Four do	Seamstress	56 50
Female Supervisors (2):	Five do		155 39
Female Attendants (5):	do		260 28
Laundresses (2):	do		129 61
Cooks (3):	do		185 38
M. Wilkie:	Four do	Maid	51 87

EXPENSES ($10,807.85).

Allen, Mrs.: Apples, 15 barrels	15 00
Brown, N. H.: Drugs and chemicals, 23.59; Brabant, O.: Cedar poles, 27.00	50 59
Beck, C. Mfg. Co.: Evap. apls., 50 lbs., 3.75; pot bly., 100 lbs., 4.00; coffee, 75 lbs., 16.25; canned fruit, 6 doz., 13.75; lard, 50 lbs., 4.75; rolled oats, 3.60; soap, 5.00; sugar, 912 lbs., 41.46; tobacco, 42 lbs., 20.10; canned vegetables, 6 doz., 6.80; pique, 41 yds., 9.43; potatoes, 11 bags, 7.50; butter, 206 lbs., 40.13; paper, 100 lbs., 4.00; sundries, 71.02; clothes baskets, ½ doz., 4.80; eggs, 66 doz., 13.02; prunes, 50 lbs., 3.50; apples, 17.60; starch, 100 lbs., 7.00; chocolate, 12 lbs., 3.27; tea, 151 lbs., 30.90; overalls, 3¾ doz., 31.88	363 51

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, PENETANGUISHENE.—*Continued.*

EXPENSES.—*Continued.*

Bell Tel. Co.: Messages, 35.33; Band, W. P.: Trav. expenses, 17.20 ..... 52 53
C. P. Industries: Long boots, 36 prs., 118.50; Cosgrove, T. J.: Hauling coal, 112.47.. 230 97
Copeland, G. & Sons: Shorts, 1 ton, 21.50; bran, 1½ tons, 22.50 oats, 100 bu., 39.00; chop feed, 1½ tons, 36.00; sundries, .30 ..... 119 30
Charlebois Bros.: Floor wax, 10 lbs., 5.00; combs, 10 doz., 10.00; tubs., ½ doz., 5.80; butter, 105 lbs., 15.75; apples, 3.00; cheese, 165 lbs., 16.48; sundries, 69.39; lard, 60 lbs., 5.40; starch, 100 lbs., 6.50; vinegar, 32 gals., 8.00; rice, 100 lbs., 4.00; syrup, 399 lbs., 11.47; sugar, 610 lbs., 30.05; honey, 67 lbs., 5.70; tob'co, 34 lbs., 13.70; coffee, 25 lbs., 5.75; hay, 2-785 tons, 27.71 ..... 243 70
Cressman, A. W.: Shawls, 75, 225.00; print, 224 yds., 27.92; sundries, 9.39; cotton, 261 yds., 31.35; flannel, 370 yds., 64.67; flannelette, 231 yds., 27.78..... 386 11
Charlebois, A. B. & Son: Bran, 1 ton, 17.21; Cloutier, Jos.: B'd of W. P. Dailey, 16.50 33 71
Cameron, L. K.: Paper & stat'y, 73.89; Can. Express Co.: Exp. charges, 25.70..... 99 59
Cummings, J. M.: Moving piano, 3.00; harrows, 1 set, 26.50 ..... 29 50
Corbeau, E.: Repairing furniture 37 12
Dailey, W. P.: Services opening books & ordering supplies, 200.00; trav. exps., 118.26 318 26
Fair, Robt. & Co.: Cotton, 167 yds., 8.08; buttons, 2 gro., 3.30; corsets, 1 doz. pr., 9.00; hoods, 8½ doz., 51.00 ..... 71 38
Fleischmann & Co.: Yeast, 9.42; G. T. Railway Co.: Freight charges, 25.06 ..... 34 48
Gendron, M. A.: Iron hardware, etc., 96.55; clamps, 1 pr., 6.50; glass, 10.45; whiting, 600 lbs., 7.20; putty, 301 lbs., 8.25; paints & oils, 5.40; door sets, ½ doz., 6.00; enamel sink, 10.15; razors, 1 doz., 10.20; plaster paris, 1 bbl., 2.75; repairs, 31.80; leather belting, 12 ft., 4.20 ..... 199 45
Gignac, L.: Baking powder, 1 doz., 2.25; currants, 120 lbs., 9.40; cream tartar, 3.50; pepper, 11 lbs., 2.85; pickles, ½ doz, 2.10; sundries, 26.50; rice, 100 lbs., 3.75; sugar, 313 lbs., 14.87; soap, 3.24; salt, 1 bbl., 4.50; sago, 100 lbs., 5.00; figs, 133 doz., 6.65; tapioca, 100 lbs., 4.00; lye, 1 case, 4.50; oatmeal, 2 bags, 5.80; pails, 1 doz., 2.25; eggs, 12 doz., 2.40; scrubs, 1 doz., 2.25; buttons, 9 gro., 4.65; raisins, 1 box, 2.16; blueing, 2.60.. ..... 115 22
Gripton, C.: Marking ink, 1 pt., 8.80; rubber stamps and pads, 21.20 ..... 30 00
Gorman, Jos.: Travelling expenses 8 80
Hall, Richard & Son: Print, 214 yds., 27.82; flannel, 506 yds., 59.58; thread, 3 gro., 15.30; sheeting, 624 yds., 137.22; sundries, 9.29 ..... 249 21
Hollister, J. W. & Co.: Team harness, 36.00; robe, 13.00; horse blankets, 4.90; rep'g harness, 10.75 ..... 64 65
Hartz, The J. F. Co.: Surgical appliances, 27.55; Hurley, Jno.: Repairs, 8.50 ..... 36 05
Hall, W. J.: Services as fireman, 16.63; Hart & Riddell: Engraving die, 10.00 ..... 26 63
Jones, Lillie: Travelling expenses *re* suppiles 99 40
Kingan Hardware Co.: Disinfectant, 46 gals., 69.00; toilet paper, 1 c/s., 6.50; white lead, 200 lbs., 12.00; screws, 9 gro., 11.00; sundries, 27.50 ..... 126 00
Lemieux, E.: Cow, 30.00; Moore, Wm. & Son: Prunes, 600 lbs., 38.25 ..... 68 25
Le Brun, H. & Co.: Mens' suits, 100, 600.00; overcoats, 36. 180.00; socks, 50 prs., 9.38; mitts, 98 prs., 22.46; caps, 80, 40.00; braces, 8 doz., 19.20; stockings, 100 prs., 25.00; freight charges, 4.37 ..... 900 41
Meriden Brittania Co.: Covered dishes, 20.00; Mason, Jas.: Photos, 10.00 ..... 30 00
Midland Coal Dock Co.: Hard Coal, 151-700 tons @ 5.85, 880.40; slack, 995-820 tons @ 2.75, 2,737.38 ..... 3,622 78
Metropolitan Soap Co.: Laundry soap, 952 lbs.. ..... 47 60
McWhinnie, R.: Slippers, 20 prs., 16.00; Neill, R.: Boots, 25 prs., 25.25 ..... 41 25
Nettleton, C. A.: Stat'y, seeds, etc., 40.85; postage stamps, 6.40; wall paper, 37.45; drugs and chemicals, 34.95 ..... 119 65
Peterboro Hardware Co.: Chloride lime, 246 lbs., 8.61; lard oil, 5 gals., 3.75; parafine wax, 50 lbs., 5.00; sundries, 72.48; carpet swps, 2, 5.00; tableware, 11.50; snow shovels, 2 doz., 6.50; tube cleaners, 2, 4.00 ..... 116 84
Penetang. Navigation Co.: 4 trips of steamer with patients 40 00
Pratt, D. S.: Cement, 7 bbls., 17.50; cartage, 2.00 ..... 19 50
Playfair, Preston Co.: Butter, 132 lbs., 20.97; eggs, 30 doz., 5.10; fish, 91.59; apples, 4.50; coffee, 25 lbs., 5.00; sundries, 12.00 ..... 139 16
Payette, P. & Co.: Repairs, 10.95; Postmaster: Postage stamps, 10.00 ..... 20 95
Robinson, Geo.: Use of horse and wagon, 16.50; Rennie, Wm.: Seeds, bulbs, etc., 4.25 20 75
Sutcliffe, J. & Sons: Print, 450 yds., 54.00; yarn, 102 lbs., 45.90; sateen, 47 yds., 11.88; hoods, 48, 24.00; sundries, 2.13 ..... 137 91

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR INSANE, PENETANGUISHENE,—*Concluded.*

EXPENSES.—*Concluded.*

Shuttleworth, E. B. Chem. Co.: Drugs & chems., 8.79; Stenson, J. T.: Boots & shoes, 36 prs., 34.50	43 29
Sundry persons: Wages assisting Gardener & Farmer: Geo. Morris, 45.50; C. Murphy, 18.01; W. Murklin, 18.75; N. Kennedy, 3.75; H. J. Lee, 3.50; E. Brasseur, 7.00	96 51
Sundry women: Scrubbing, 37.88; Smith, R. M.: Trav. expenses, 12.39	50 27
Spohn, P. H., M.D.: Balance *re* table allowance	179 65
Turnbull, J. C. & Co.: Yarn 102 lbs., 45.90; shawls, 23, 69.00; spools, 4 gro., 21.60; towelling, 165 yds., 20.63; print, 219 yds., 27.35; shirting, 221 yds., 31.01	215 49
Tudhope & Co.: Carriage, 93.00; sleigh, 86.50; lamps, 7.00	186 50
Thompson, W. M.: Butter, 1106 lbs., 225.99; serge, 30 yds., 64.50; lard, 50 lbs., 4.50; green baize, 8 yds., 3.40; quilts, 2, 5.00; sundries, 21.53	324 92
Town Treasurer: Water, 400.00; United Typewriter Co.: Typewriter, 112.50	512 50
Wright, G. H.: Hardware, etc., 34.07; wheelbarrows, 6, 12.30	46 37
Wilkinson Plough Co.: Plough	47 00
Wright, C. E.: Meat contract, 5,578 lbs. @ 7.10 cwt., 395.93; tallow, 7.92; poultry, 19.02	422 87
Warwick Bros. & Rutter: Printing and stationery	286 56
Sundry persons: Accounts unenumerated under 10.00	29 71

REFORMATORY FOR BOYS, PENETANGUISHENE.

SALARIES ($6,058.55).

Thos. McCrosson:	Seven months' salary as	Superintendent	1,050 00
R. H. Stedman:	do	Deputy Superintendent	583 31
Wm. P. Band:	do	Bursar	554 12
P. H. Spohn, M.D.:	do	Surgeon	408 31
Rev. Stephen Card: Five	do	Protestant Chaplain	250 00
Rev. T. F. Laboureau:	do	R. C. do	208 30
Jas. Lonergan:	do	R. C. Teacher	250 00
L. E. Lane:	do	Tailor	250 00
W. Corbeau: Four	do	Carpenter	200 00
P. Lanonette: Seven	do	Engineer	350 00
Thos. Harford:	do	Gardener	233 31
A. Gendron:	do	Baker	262 50
Attendants (4):	do		708 26
R. DeNure:	do	Farmer	291 62
J. Lemieux:	do	Laundryman	233 31
A. Norton: Four	do	Night Engineer	133 32
A. McFalls: Three	do	do	92 19

EXPENSES ($5,106.29).

Allan, A. A. & Co.: Fur cap	6 75
Beck, C. Mfg. Co.: Horse blankets (3), 6.00; harness repairs, 14.40	20 40
Brabant, Oliver: Hardwood, 201 cords, 426.28; Beausoliel, F.: Hardwood, 116 cords, 237.88	664 16
Brown Bros.: Stationery, etc., 5.95; *Barrie Examiner*, sub., 4.00	9 95
Breithaupt Bros. & Hall: Tan bark extract, 80 gals., 24.00; Bell Tel. Co.: Messages, 2.78	26 78
Copeland, G. & Sons: Chop feed, 1½ tons, 33.66; bran, 1½ tons, 20.50; shorts ¾ ton, 15.50	69 66
C. P. Industries: Flannel, 93 yds., 37.20; Charlebois Bros.: Hay, 1,880 lbs., 11.28; salt, 2.80	51 20
Charlebois, A. B. & Son: Oats contract, 317 bus. at .34, 107.85; peas contract, 202 bus. at .63, 127.38; barley contract, 102 bus. at .43, 44.02; bran contract, 3-067 tons at 17.00, 51.60; straw, 8-230 tons, 40.57; hay, 4-560 tons, 51.36; potatoes, 68 bags, 61.20	483 93
Campbell, Rev. Isaac: Cab hire *re* religious services	37 50
Darling, J. S.: Postage stamps, 42.74; telegrams, 12.43; sundries, 1.36	56 53
Eckardt, H. P. & Co.: Coffee, 204 lbs., 15.30; pepper, 50 lbs., 8.50; bath brick, .75	24 55
Flett Lowndes & Co.: Canvas, 75 yds., 12.00; Holland, 46 yds., 8.74; Italian, 23 yds., 25.65; twist, ¾ lbs., 6.00; buttons, 6.00	58 39
Fleischmann & Co.: Yeast, 24½ lbs., 6.37; postage, 4.46	10 83
Gendron, C. G.: Repg. boots & shoes, 61.25; boots, 15 prs., 60.00	121 25

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

REFORMATORY FOR BOYS, PENETANGUISHENE.—*Concluded.*

EXPENSES.—*Continued.*

G. T. Railway Co.: Freight charges, 45.45; Gendron, A. R.: Allowance for board, 29.12	74 57
Hunt Bros.: (Balce. 1903 flour contract), 25 bbls. at 3.68	92 00
Henderson P. & Co.: Seeds, bulbs, etc., 9.70; Harford, Thos.: Allowance for board, 29.13	38 83
Jamieson, J.: Uniform, 10.00; Kelly, Jno.: Paper hanging, 10.00	20 00
Little, Rev. H. M.: Cab hire *re* religious services	37 50
Laboreau, Rev. T. F.: Commutation *re* free house, fuel, light & water, 41.65; expenses in chapel, 12.50	54 15
LeMoyne, Alma: Services as Roman Catholic organist	33 33
Midland Coal Dock Co.: Egg coal, 22-1270 tons at 7.00	158 45
Midland Argus: Sub. (6 years), 6.00; Murdock, Jas.: Insp. of scales, 5.75	11 75
McLaughlin, M. & Co.: Flour contract, 150 bbls. at 3.77½	566 25
McGibbon, Chas.: Hardwood, 25¾ cords	55 44
McCrosson, Thos.: Balce. *re* table allowance, 318.19; allowance *re* furniture & furnishings, 58.31; trav. expenses, 66.15	442 65
Nisbet & Auld: Serge, 28½ yds., 37.12; doeskin, 2½ yds., 4.20; broad cloth, 2½ yds., 8 44; sundries, 1.75	51 51
Nettleton, C. A.: Drugs & chems., 29.00; subs.: *Globe*, 4.00; *Mail*, 4.00; seeds, etc., 6.00	43 00
Nelson, H. W. & Co.: Brooms, 8 doz., 23.40; stable brooms, 2 doz., 5.76; dusters, 1.56	30 72
Norton, A. A.: Allowance for board, 33.32; Newton, A. D.: Services Protestant organist, 33.33	66 65
P. & M. E. St. Railway Light & Power Co.: Electric light,	600 00
Rennie, Wm.: Seeds, bulbs, etc., 49.75; Ross, H. H.: Exp. charges, 6.78	56 53
Rodger, W. P.: Cotton, 231 yds., 23.10; shirting, 237 yds., 32.03; cottonade, 53 yds., 10.95	66 08
Robinson, Geo.: Livery hire, 23.25; Stedman, R. H.: Trav. expenses, 10.95	34 20
S. S. No. 7 Tay: Half yearly grant on acct. of exemption from school rates of resident officials' children	75 00
Sisters of the Precious Blood: Supplies for chapel	13 02
Sundry newspapers: Advertising *re* supplies, 18.15; *re* fuel, 33.00	51 15
Shanahan Carriage Co.: Horseshoeing & blacksmithing	46 76
St. Amant, S.: Horseshoeing, 20.50; Stedman, J.: Wages assisting gardener, 9.75	30 25
Secord, A.: Repg. boat, 24.00; Town Treasurer: Water, 400.00	424 00
Wright, G. H.: Steam hose, 25 ft., 15.50; flue cleaners (2), 3.50; dies, 10.00; iron, hardware, etc., 27.06	56 06
Wright, C. E.: (Balce. 1903 meat contract) 579 lbs., at 7.15 cwt., 41.40; 1904 contract, 2,416½ lbs., at 7.10 cwt., 171.57	212 97
Sundry persons: Accounts unenumerated under 10.00	21 46

ASYLUM FOR FEEBLE MINDED, ORILLIA.

SALARIES ($22,346.69).

A. H. Beaton, M.D.: Twelve months' salary as		Medical Superintendent	2,000 00
T. J. Moher, M.D.: One-half	do	Assistant Physician	49 32
T. J. Norman, M.D.: Eleven	do	do	842 25
T. J. Muir: Twelve	do	Bursar (rent allowance	1,375 00
P. McAulay:	do	Storekeeper	950 00
R. Stratton: Five	do	Carpenter	250 00
A. Jamieson: Seven	do	do	262 00
A. Thompson: Twelve	do	Farmer	450 00
H. Kilpatrick:	do	Baker	450 00
J. S. Gray:	do	Gardener (board)	527 00
J. H. Ross:	do	Engineer	800 00
A. A. Allan:	do	Asst. Engineer	300 00
Firemen (3):	do		900 00
R. Stewart:	do	Laundryman	300 00
A. H. Sissons:	do	Chief Male Attendant	400 00
Male Supervisors (2):	do		684 00
Male Attendants (11):	do		3,374 21
Night Watchmen (2):	do		607 00
A. McLean	do	Taylor	400 00

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR FEEBLE-MINDED, ORILLIA.—*Continued.*

SALARIES.—*Concluded.*

E. Lynes:	Two months' salary	as Stableman	40 00
D. Currie:	Five do	do	100 00
C. Carpenter:	Four & one-half: do	do	89 00
D. Currie:	Two do	Messenger	40 00
J. Casey:	Ten do	do	224 00
S. E. Hardy:	Nine do	Matron	375 00
J. Budd:	Three do	do	125 00
J. Budd:	Nine do	Asst. Matron	225 00
L. McGillicuddy:	Two do	do	50 00
M. V. Nash:	Twelve do	Teacher	600 00
J. H. Hall:	do	Musician and Stenographer	400 00
A. E. Connor:	Nine & one-half do	Teacher	237 50
Female Attendants (10):	Twelve do		1,527 41
Female Night Attendants (2):	do		316 00
Cooks (2):	do		360 00
Maids (9):	do		1,234 00
Laundresses (3):	do		472 00
Seamstresses (3):	do		711 00

EXPENSES ($50,580.71).

Association of Institutions for Feeble Minded: Annual dues	5 00
Allan, Wm.: Potatoes, 17 bags, 7.73; Anderson, Jno.: Hardwood, 75 cords, 318.75	326 48
Anderson, R.: Potatoes, 19 bags, 15.69; Allen, S.: Vinegar, 125 gals., 31.53	47 22
Allan, Jno.: Seed oats, 59 bus., 20.90; oats, 136 bus., 48.51	69 41
Angell, H.A.: Services as plumber, 351.25; trav. expenses, 4.35	355 60
Buchner, A. C.: Candies, 239 lbs., 17.93; raisins, 56 lbs., 4.62; oranges, 16 doz., 4.80; sundries, 31.00; ranch powder, 10.00	68 35
Baye, F.: Turnips, 236 bus., 23.62; Ball, Jas.: Eggs, 1,177 doz., 182.39	206 01
Bell, N.: Potatoes, 12 bags, 9.42; Burton, Jno.: Potatoes, 324 bus., 129.57	138 99
Black, K.: Upholstering, 20.00; Birney, J. J.: Wages temporary baker, 6.00	26 00
Bingham, H. A.: Interments, 90.00; Blacker, J. H.: Horseshoeing, 6.15	96 15
Bell Tel. Co.: Messages, 13.30; repairs, 1.20	14 50
Beaton, A. H.: Balce. re table allowance, 344.29; allowance re furniture & furnishings, 30.12; trav. expenses, 26.10	400 51
Bursar: To pay sundries	11 30
Can. Oil Co.: Dynamo oil, 10 gals., 7.25; boiled oil, 45 gals., 22.50; candles, 4 cases, 15.12; linseed oil, 44 gals., 20.68	65 55
Cooke, H. & Co.: Drugs & chems., 264.07; staty., etc., 38.62; postage stamps, 48.00; sal soda, 18,375 lbs., 159.87; wall paper, 77.82; school supplies, 26.22; subs. 6.50; sundries, 48.06; disinfectant, 38 gals., 47.50	716 66
Can. Rubber Co.: Packing, 20.87; gaskets, 6.46	27 33
Can. Foundry Co.: Valves, 49.38; Curran Bros.: Printing, 8.50	57 88
Chandler & Massey: Surgical appliances	14 32
Cashman, J. J.: Clothing, 4.00; straw hats, 3½ doz., 4.38; hats, 6 doz., 30.00; caps, 5 doz., 15.00; sundries, 1.00	54 38
C. P. Industries: Tweed, 3,323 yds., 1,715.19 boots & shoes, 327 prs., 520 10; slippers, 120 prs., 140.00; wrappers, 8.00; flannel, 905 yds., 226.87; petticoating, 220 yds., 132.00; long boots, 40 prs., 130.00	2,872 16
Crockford, F.: Potatoes, 87½ bus., 32.08; turnips, 223 bus., 22.28;	54 36
Crockford, J.: Hay, 5-1300 tons, 56.50; straw, 6 tons, 36.08;	92 58
Cuppage, Alex.: Potatoes, 35 bus., 14.28; Cavanagh, Jos.: Straw, 2-1825 tons, 16.01	30 29
Can. General Electric Co.: Electrical supplies, 13.83; lamps (350), 63.00	76 83
Clark, D.: Interments, 69.00; Cameron, L. K.: Paper & staty., 25.57	94 57
Dunn, Jos.: Starch, 5.50; tobacco, 5 lbs., 2.75; lard, 250 lbs., 25.25; sundries, 10.61; oranges, 2.50; cheese, 75 lbs., 9.38; soap, 4.40	60 39
Eby, Blain & Co.: Coffee, 1,290 lbs., 350.98; chicory, 511 lbs., 52.03; prunes, 1,376 lbs., 103.20; sugar, 1,887 lbs., 80.76; rice, 896 lbs., 31.36; tapioca, 138 lbs., 4.83; tobacco, 48 lbs., 20.64	643 80
Ellis, J. W.: Express & telegram charges, 28.47; yeast, 347½ lbs., 104.25	132 72
Forrester, W.: Potatoes, 56 bus., 22.40; oats, 54 bus., 17.50	39 90

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR FEEBLE-MINDED, ORILLIA.—*Continued.*

EXPENSES.—*Continued.*

Finn, W. J.: Potatoes, 51 bus., 18.76; turnips, 246 bus., 24.58 .. .. 43 34
Farwell, E. B.: Sundry groceries, 15.86; currants, 88 lbs., 5.72; raisins, 2 boxes, 4.20.... 25 78
Failes, Jno.: Services cutting meat 60 00
Grant, Hamilton Oil Co.: Cyl. oil, 44 gals., 28.60; Gilchrist, Geo.: Hay, 1-295 tons, 12.62 .... 41 22
Gurney Foundry Co.: Frying pans, 3, 2.80; rep'g radiators, 15.94 .... 18 74
General Watchmen's Detectors Co.: Clock dials, 9.00; G. T. Railway Co.: Charges, 171.39 .... 180 39
Graham, A.: Rolled oats contract, 24 bbls. @ 4.80, 115.20; oatmeal contract, 24 bbls. @ 4.80, 115.20 .... 230 40
Hatley, J. J.: (Balce 1903 meat contract) 5588 lbs. @ 7.15, 399.54; contract filling ice-house and cold storage building, 75.00; bacon and ham, 751 lbs., 112.47; sausage, 240 lbs., 24.00; poultry, 107.94; suet, 25 lbs., 2.50; tongues, 4.90; lard, 968 lbs., 101.78; sundries, 6.79 .... 834 92
Hamilton Coffee & Spice Co.: Baking powder, 8 doz., 24.00; pepper, 50 lbs., 9.00; mustard, 16 lbs., 3.20 .... 36 20
Harvie, J. R.: Hay, 5-205 tons, 45.92; straw, 11-880 tons, 62.91 .... 108 83
Harvie, W. R.: Potatoes, 122 bu., 44.89; Horne, B.: Hay, 6-115 tons, 60.58 .... 105 47
Hewitt, Jno.: Potatoes, 212 bu., 77.60; turnips, 138 bu., 13.85 .... 91 45
Hazlett, Jno.: Oats, 78 bu., 22.82; Harvie, A.: Repairs, plastering, etc., 314.25 ..... 337 07
Independent Cordage Co.: Cord 11 93
Johnstone, Jas.: Oats, 71 bus., 22.87; seed potatoes, 5 1-3 bags, 5.39; apples, 7 bbls., 8.75; potatoes, 116 bu., 51.68 .... 88 69
Johnston, J. W.: Apples, 3 bbls., 4.50; hardwood, 10 cords, 42.50 .... 47 00
Johnston, R.: Oats, 98 bus., 33.40; apples, 6 bbls., 7.00 .... 40 40
Kerr, A.: Meat contract, 101284 lbs. @ 7.10 cwt., 7,191.11; bacon, 17 lbs., 2.55 ..... 7,193 66
Long, The E. Mfg. Co.: Castings, repairs to boilers, etc., 102.19; Leigh, J.: Straw, 2-1900 tons, 17.70 .... 119 89
Lebman, R. A.: Potatoes, 43 bu., 15.83; Lott, B. O.: Honey, 604 lbs., 42.28 .... 58 11
Lamb, M.: Turnips, 143 bu., 14.41; mangolds, 423 bu., 42.36; carrots, 56 bu., 6.80; apples, 7 bbls., 10.50; poultry, 31.84 .... 105 91
Lever Bros.: Laundry soap, 2 c/s., 8.00; toilet soap, 5 c/s., 19.50..... 27 50
Main, T. A.: Ticking, 455 yds., 96.52; hose, 22 doz. prs., 64.00; crash, 198 yds., 24.75; socks, 34 doz. prs., 98.50; sundries, 46.43; school supplies, 6.14; yarn, 80 lbs., 28.30; buttons, 10.75; shirting, 1055 yds., 170.09; moleskin, 42 yds., 5.32; towelling, 785 yds., 96.00; hats, 9 doz., 10.35; warp, 5.85; muslin, 125 yds., 17.37; duck, 109 yds., 17.68; linen, 90 yds., 13.58; corn starch, 800 lbs., 51.10; blueing, 20 lbs., 3.00; thread, 30 doz., 13.92; currants, 78 lbs., 5.46 .... 785 11
Murphy, Jno.: Potatoes, 194 bus., 71.44; turnips, 176 bus., 17.64 ..... 89 08
Moon, E.: Straw, 5-815 bu., 31.23; potatoes, 22 2-3 bags, 18.18 .... 49 41
Moriarty, J.: Turnips, 169 bu., 16.98; Martin, J.: Turnips, 210 bu., 21.05 .... 38 03
Moore, The Chris. Co.: (Balce 1903 butter contract) 1306 lbs. @ 17½c., 225.28; 1904 butter contract, 28051 lbs. @ 18½c., 5,189.43; mitts, 24 prs., 8.40; starch, 300 lbs., 20.50; shirting, 225 yds., 30.45; flannelette, 377 yds., 45.11; tumblers, 12 doz., 6.00; cheese, 162 lbs., 18.66; hats, 4 doz., 4.80; eggs, 30 doz., 4.50 5,553 13
Mickle, Dyment & Son: Lumber, 12339 ft., 310.73; Mackie, D.: Berries, 13.38 .... . 324 11
Mainer, R.: Iron, tinware, etc. 66.75; Millar, M.: Postage stamps, 64.00; rent of box, 2.00 .... 132 75
Moffatt, T. W. & Co.: Fish, 2138 lbs. @ 9c., 194.70; salmon, 6 doz. cans, 9.65 ..... 204 35
Morrison, The Jas. Mfg. Co.: Valves, 44.74; iron pipe, 14.00; scales, 21.00; castings, repairs, etc., 59.16 .... 138 90
Midland Coal Dock Co.: B(alce, 1903 coal contract) Egg, 31-1660 tons, at 6.15, 195.73; slack, 211-465 tons @ 3.90, 823.81; (1904 contract) grate, 80-400 tons @ 5.80, 465.16; stove, 92-1100 tons @ 6.05, 559.93; slack, 2614-400 tons @ 3.42, 8.940.56 ..... 10,995 19
Mulcahy, Thos.: Boots & shoes, 18 prs., 33.10; rubbers, 1 pr., 1.00; mocassins, 18 prs., 20.75 .... 54 85
Morrison, E.: Rep'g boots, 15.50; Murdock, J.: Insp. of scales, 4.50 .... 20 00
Moon, Jno.: Straw, 9-095 tons, 33.26; hardwood, 10 cords, 42.50 ... . 75 76
Moore, W. H.: Services as painter, 466.50; Muir, T. J.: Trav. expenses, 16.70 ..... 483 20
Macdonald, Jno. & Co.: Sheeting, 1340 yds., 243.03; shirting, 2129 yds., 294.39; serge, 77 yds., 131.64; cotton, 4227 yds., 341.92; denim, 124 yds., 23.56;

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR FEEBLE-MINDED, ORILLIA.—*Continued.*

EXPENSES.—*Continued.*

lining, 114 yds., 33.09; spools, 43.20; curtains, 7 prs., 28.00; braces, 6 doz. prs., 13.50; socks, 22 doz. prs., 60.00; ticking, 459 yds., 85.18; shaker, 217 yds., 19.04; sundries, 15.63; leather mitts, 3 doz. pr. 8.25; caps, 5 doz., 6.25; drill, 62 yds., 5.74; warp, 6 bales, 6.90; rug, 45.00; mitts, 4 doz., 9.60; gloves, 6 doz., 21.00; flannel, 285 yds., 47.26 ..... 1,482 18

Macnab Bros.: Nails, 3 kegs, 8.20; glass, 49.00; rubber packing, 17½ lbs., 5.22; belting, 118 ft., 40.89; carvers, 3 prs., 3.75; table knives, 12 doz., 36.00; iron, hardware, etc., 283.79; cups, 8 doz., 9.60; quebracho, 1 bbl., 38.34; cement, 6 bbls., 13.60; hose, 40 ft., 16.00; lace leather, 3.50; plaster paris, 3 bbls., 7.50; japan, 6 gals., 7.50; mitts, 1 doz., 5.00; bath enamel, 1 gal., 4.50; turpentine, 19 gals., 20.90; paint, 9.38; pitchers, ½ doz., 4.50; assorted brushes, 7.00; varnish, 1 gal., 2.25; chambers, 7½ doz., 46.59; clothes baskets, 1 doz., 11.00; ladder, 5.00; spoons, 2 doz., 4.00; turpentine, 6 gals., 6.60; fire bricks, 3.50; chisels, 6.00; bits, 4.75; locks, 2 doz., 9.25 ..... 673 11

McMahon, Broadfield & Co.: Plates, 24 doz., 15.60; chinaware sundries, 3.25; cups, 24 doz., 10.57; dinner set, 16.50; basins, 1 doz., 3.80; ewers, 1 doz., 3.80; covered dishes, 1 doz., 4.80 ..... 58 32

McKerroll, Jas.: Sundry groceries, 44.33; lemons, 3 cases, 7.95; candy, 200 lbs., 13.50; nuts, 150 lbs., 18.75 ..... 84 53

McKay & Co.: Socks, 6 doz. prs., 15.84; McLeod, M.: Potatoes, 23 bags, 18.67 ..... 34 51

McPhee, A.: Turkeys, 326 lbs., 45.64; McBrearty, M.: Trav. expenses, 9.50 ..... 55 14

McCulloch, R.: Hay, 2-815 tons, 26.48; McIntosh, D.: Oats, 99 bu., 31.81 ..... 58 29

McReynolds, Thos.: Music supplied, 12.50; McGillicuddy, L.: Trav. expenses, 11.00 .. 23 50

MacKinnon, L. J.: Socks, 28 prs., 8.40; Nash, M. V.: Trav. expenses, 56.53 ..... 64 93

Northway Co.: Tabling, 34 yds., 18.17; cotton, 26 yds., 4.03; sundries, 4.30; handkerchiefs, 33 doz., 14.76; ties, 8 doz., 11.40 ..... 52 66

Nelson, H. W. & Co.: Brooms, 75 doz., 233.91; soap, 15.00; scrubs, 30 doz., 46.50; combs, 7 doz., 5.75; asst'd brushes, 11.90; sundries, 1.00; clothes baskets, 2 doz., 16.26; matches, 1 c/s., 3.10 ..... 333 42

Norman, T. J.: Trav. expenses, 16.25; Ontario Pub. Co.: Sub., 6.00 ..... 22 25

Ontario Rubber Co.: Packing, 24 ft., 1.40; gaskets, 7.35 ..... 8 75

O'Hare & Sons: Yarn, 258 lbs., ... 96 39

O'Connor, C.: Turnips, 109 bu., 10.95; O'Connor, P.: Turnips, 117 bu., 11.78 ..... 22 73

Perry and Alport: Linen, 496 yds., 77.56; muslin, 184 yds., 23.75; yarn, 48 lbs., 18.48; print, 400 yds., 49.05; hose, 252 prs., 67.75; buttons, 7.54; sundries, 55.45; shirting, 2,837 yds., 388.20; napkins, 2 doz., 8.00; quilts, 50, 46.25; oil cloth, 186 yds., 44.16; elastic, 6 yds., 5.40; caps, 3 doz., 9.00; spools, 24 doz., 11.52; towelling, 101 yds., 15.23; flannel, 979 yds., 209.98; ribbon, 197 yds., 13.48 .... 1,050 80

Perryman, Jno.: Hay, 4-1805 tons, 58.83; oats, 89 bu., 29.65 ..... 88 48

Polson Iron Works: Tube expander, 25.00; Pomeroy, S.: Repairs, 7.80 ..... 32 80

Queen City Oil Co.: Cup grease, 10.00; sundries, .84; candles, 144 lbs., 13.32; boiled oil, 48 gals., 23.66 ..... 47 82

Rolph, Clark Co.: Die & stamping, 9.50; Rogers Furniture Co.: Magazine stand, 7.50 17 00

Ralston, Jno.: Repg. shoes, 24.70; Robertson, Geo. S.: Potatoes, 122 bags, 100.43.... 125 13

Remington Typewriter Co.: Rep'g typewriter, 15.35; letter book, 3.20 ..... 18 55

Riley, Thos.: Wash basins, 18.10; iron pipe, 36.00; plumbers' supplies, 18.00 ..... 72 10

Regan, Jno.: Potatoes, 94 bu., 34.53; turnips, 262 bu., 26.23 ..... 60 76

Ratcliffe, E.: Hay, 5-1325 tons, 62.29; potatoes, 24 bags, 19.60; oats, 56½ bu., 19.20.... 101 09

Riordan, W.: Potatoes, 35 bus., 14.47; turnips, 90 bu., 9.07 ..... 23 54

Regan, M. S.: Potatoes, 91 bu., 33.40; turnips, 214 bu., 21.43 ..... 54 83

Regan, Thos.: Apples, 31 bbls., 31.00; potatoes, 169 bu., 67.18; turnips, 301 bu., 30.17; straw, 1190 lbs., 3.27 ..... 131 62

Regan, P.: Potatoes, 97 bu., 35.72; turnips, 174 bu., 17.42 ..... 53 14

Rutherford, Wm.: Straw, 1-770 tons, 7.62; Ross, Jno.: Horseshoeing, 5.30 ..... 12 92

Rolph, Smith & Co.: Lithographing, 26.25; Steele & Crawford: Lumber, 36.43 ..... 62 68

Sundry Newspapers: Advertising *re* supplies, 120.75; *re* fuel, 58.00 ..... 178 75

Smith, R. O. Co'y: Stationery, books, etc 14 99

Taylor, Jno. & Co.: Ldry soap, 8131 lbs., 487.86; toilet soap, 200 boxes, 480.00 ..... 967 86

Tiffin & Co.: Berries, 20.87; sundries, 2.31; tobacco, 12 lbs., 5.52; peaches, 10 bskts., 7.50; soap, 4.10; pears, 12 bskts., 4.20; plums, 6 bskts., 3.60 ..... 48 10

Thomson, R.: Oats, 241 bu., 84.26; Thomson, D.: Oats, 46 bu., 16.36 ..... 100 62

Thomson, A.: Potatoes, 37 bags, 26.13; Tiffin, R.: Potatoes, 150 bags, 102.46 ..... 128 59

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ASYLUM FOR FEEBLE-MINDED, ORILLIA.—*Concluded.*

EXPENSES.—*Concluded.*

Turner, E.: Potatoes, 72 bu., 26.43; Town Treasurer: Motor power, 556.00	582 43
Times Ptg. Co.: Printing & stat'y, 65.75; United Factories: Pails, 10 doz., 18.47	84 22
Vick, Geo. & Sons: Flour contract, 1203 bbls. @ 3.73, 4,487.23; oats, 25 bu., 7.75; sugar, 1700 lbs., 76.80; bran., 16-1300 tons, 303.96; shorts, 6-800 tons, 128.00; tea, 2483 lbs., 434.52; currants, 162 lbs., 9.32; rice, 3374 lbs., 136.95; pepper, 4.66; beans, 11 bu., 21.04; pot barley, 3.00; eggs, 60 doz., 7.80; tobacco, 24 lbs., 10.92; oat chop, 400 lbs., 5.00; corn starch, 80 lbs., 5.20; tapioca, 176 lbs., 6.16; sundries, 14.89	5,663 20
Wilson, J. H.: Salt, 39 bbls., 58.50; syrup, 6695 lbs., 182.29; molasses, 96 gals., 29.86; sugar, 29187 lbs., 1,244.04; prunes, 1500 lbs., 93.75; vinegar, 29 gals., 8.85; eggs, 98 doz., 14.70; currants, 146 lbs., 9.13; beans, 11 bu., 20.23; baskets, 4.00; tobacco, 12 lbs., 5.52; rice, 666 lbs., 25.64; tea, 342 lbs., 61.56	1,758 07
Wood, Alex.: Turnips, 211 bu., 21.11; potatoes, 60 bu., 22.30	43 41
Woods, S.: Potatoes, 15 bu., 7.91; Wigg, P. H.: Hay, 1-1640 tons, 10.92	18 83
Warwick Bros. & Rutter: Printing and stationery	8 25
World Furnishing Co.: Rugs, 65.50; chairs, 92.00; couch, 13.50; interments, 45.00; rockers, 7.40; window shade, 35 yds., 12.25; sundry furniture, 43.50; linoleum, 59 yds., 59.00	338 15
Sundry persons: Accounts unenumerated under 10.00	75 26

CENTRAL PRISON.

SALARIES ($24,294.83).

J. T. Gilmour, M.D.:	Twelve months' salary as	Warden	2,000 00
M. Logan:	do	Deputy Warden	1,200 00
W. Sloan, M.D.:	do	Physician	950 00
A. Jaffray:	do	Bursar	1,300 00
J. M. Campbell:	do	Storekeeper	800 00
G. W. Edgar:	do	Clerk and Librarian	950 00
J. O. Anderson:	do	Accountant	500 00
F. W. Lyons:	do	Sergeant	900 00
A. Sangster:	do	Cook and Baker	700 00
W. Crackle:	do	Mason	700 00
W. R. Hardy:	do	Carpenter	600 00
W. W. Mason:	do	Engineer	800 00
S. Graham: Seven	do	Asst. Gardener	315 00
R. Borthwick: Four	do	do	205 00
Guards (24): Twelve	do		12,374 83

EXPENSES ($40,201.64).

Aikenhead Hardware, Ltd.: Glue, 20 lbs., 5.00; japan, 43 gals., 28.06; locks, 6.75; iron hardware, etc., 67.65; feed boxes, ½ doz., 12.00; sash cord, 6.50	125 96
Applegath, Jess: Fur cap, 6.00; uniform caps, 1 doz., 21.00	27 00
Arndt Tree Protector: Tree protectors, 15.00; Bourdon, N. J.: Hats, 24.00	39 00
Brown, Alex. Milling Co.: (Balce. 1903 flour contract), 102 bbls., at 3.31	337 62
Bingham, G. A.: Drugs & chems., 122.45; Bain Book & Staty. Co.: Books, 37.25	159 70
Brown Bros.: Envelopes & staty., 37.25; blank books, 11.00	48 25
Breakey, W.: Hay, 1-640 tons, 13.86; Bursar: To pay sundries, 27.71	41 57
C. P. Industries: Clothing, 2,620.92; boots & shoes, 1,179.55; bedding, 148.40; cleaning, 699.40; stable, 192.57; furnishings, 37.54; repairs, 711.51	5,589 89
Can. Gen. Electric Co.: Electrical supplies, 21.92; Can. Foundry Co.: Castings, etc., 26.10	48 02
Can. Oil Co.: Coal oil, 81 gals., 13.12; candles, 36 doz., 3.78; eng. oil, 48 gals., 19.40	36 30
Can. Biscuit Co.: Biscuits, 323 lbs., 20.90; jam, 244 lbs., 14.79	35 69
Christie, R. J.: Buggy, 150.00; Common Sense Mfg. Co.: Rat exterminator, 6.00	156 00
Coleman, C. W.: Repg. & clg. clocks, 7.50; Cameron, L. K.: Paper & staty., 102.52	110 02
Consumers Gas Co.: Gas, 900.88; C. P. Railway Co.: Freight charges, 6.98	907 86
Campbell, Alex.: Services as temporary carpenter	315 13
Doyle, The M. Fish Co.: Fish, 7,940 lbs., 595.51; Dickson Co.: Railway ties, 10.50	606 01
Don Valley Brick Works: Brick, 8.50; Dack, R. & Son: Boots, 2 prs., 8.00	16 50

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

CENTRAL PRISON.—*Continued.*

EXPENSES.—*Continued.*

Domestic Mfg. Co.: Laundry soap, 24 boxes 84 00

Eckardt, H. P. & Co.: Rice, 3,320 lbs., 124.50; evap. apples, 200 lbs., 13.50; pails, 6 doz., 12.00; sugar, 7,440 lbs., 325.06; tobacco, 416 lbs., 275.55; prunes, 100 lbs., 6.00; syrup, 4,082 lbs., 117.41; currants, 474 lbs., 24.55; sundries, 68.38; mustard, 12 lbs., 4.80; pepper, 40 lbs., 6.00; molasses, 23 gals., 7.84; raisins, 56 lbs., 3.92 ..... 987 51

Empire Wall Paper Co.: Wall paper, etc., 39.24; Fleischmann & Co.: Yeast, 234 lbs., 70.13 ..... 109 37

Fairles Milling Co.: Rolled oats contract, 46 bbls., at 5.85; 177.10; split peas contract, 35 bbls., at 4.60, 161.00; flaked wheat, 48 bbls., 131.00 ..... 469 10

Gunn's, Ltd.: Short cut pork, 66 bbls., 1,209.00; eggs, 677 doz., 133.74; turkeys, 267 lbs., 42.07; bacon & hams, 544 lbs., 68.95; pot barley, 4.25; sundries, 2.50; salt, 25.70; lard, 50 lbs., 4.25; cheese, 71 lbs., 7.28 ..... 1,497 74

Greig, Robt. & Co.: Coffee, 650 lbs., 134.00; pepper, 160 lbs., 32.00; sundries, 25.00; baking powder, 90 lbs., 16.20 ..... 207 20

Graham Nail Works: Nails, 5 kegs, 12.05; Grant, Hamilton Oil Co.: Coal oil, 45 gals., 9.00 ..... 21 05

Gutta Percha & Rubber Mfg. Co.: Hose, 50 ft., 10.50; rubber boots, 6 prs., 19.68; packing, 7.80; sundries, .45 ..... 38 43

Gurney Stove & Furnace Co.: Repg. & covering boilers, 42.10; globe heater, 5.50 ..... 47 60

Gurney Foundry Co.: Grate bars, 20.04; G. T. Railway Co.: Freight charges, 5.95 ..... 25 99

Globe Ptg. Co.: Subs. (2), 10.00; Golden's Livery: Livery hire, 7.50 ..... 17 50

Gourlay, Winter & Leeming: Rent of organ & piano, 28.00; Grenadier Ice Co.: Ice, 203 tons, 114.35 ..... 142 35

Gilmour, J. T.: Balce. *re* table allowance, 535.92; allowance *re* furniture and furnishings, 100.00; trav. expenses, 19.10 ..... 655 02

Hunter, Moses: Oats 700 bus., 265.79; bran, 6⅔ tons, 127.45; straw, 2-1324 tons, 22.39; barley, 5 bus., 2.40; hay, 8-871 tons, 101.41; bruised oats, 1,203 lbs., 13.23; corn meal, 876 lbs., 12.26 ..... 544 93

Hobbs Hardware Co.: Razors & strops, 9.86; granite buckets (400), 120.00; granite mugs (500), 45.00; pails (100), 40.00; sundries, 1.20; less freight chgs., 12.45 ..... 203 61

Hall, Jas.: Repg. roofs, slate, etc., 148.60; Hartz, The J. F. Co.: Surg. appliances, 54.77 ..... 203 37

Howland, H. S. Sons & Co.: Iron hardware, etc., 51.87; granite pails, 2 doz., 6.81; lanterns, ½ doz., 3.50; scoops, ½ doz., 5.22; screws, 12.42; spoons, 1 gro., 3.00; axe handle, 2 doz., 5.00; razors, ½ doz., 7.50; hoes, 1 doz., 3.40; lantern burners, 7.93; padlocks, ½ doz., 4.63; emery paper, 1 rm., 14.40; carvers, 4 sets, 5.10; glue, 25 lbs., 4.56; mitts, 2⅔ doz., 8.66 ..... 144 00

Hunter, R.: Exch. on cows, 80.00; purchase of meat, 6,187.89 ..... 6,267 89

Hall, F. & Son: Gloves, 11 prs., 11.00; mitts, 2 doz., 6.00 ..... 17 00

Harris, Dr.: Professional services and medicines 107 50

Inglis, Jno. Co.: Re-tubing boiler, 295.00; Independent Cordage Co.: Rope, 147.15 ..... 442 15

Johnston, J. A. & Co.: Drugs & chems., 21.08; Jeffrey & Eakins: Photo supplies, 93.00 ..... 114 08

Junor, Wm.: Tumblers 12 doz., 10.80; covered dishes, 1 doz., 6.60; jugs, 1 doz., 6.50; nappies, 6 doz., 4.50 ..... 28 40

Ko-Ri-Za Chemical Co.: Disinfectant, 500 gals 300 00

Kay, Jno. Son & Co.: Carpet making & laying, 73 yds., 131.27; chairs, 28.75 ..... 160 02

Lyon & Patterson: Pens, 13.50; Leckie, Jno.: Duck, 50 yds., 18.90 ..... 32 40

Livingstone, E. J. & Co.: Paper, 7.32; tissue paper, 130 rms., 123.50 ..... 130 82

Lawson & Wilson: Blank books, 17.50; Lyons, F. W.: Exps. recovering elopers, 8.00 ..... 25 50

Lumsden Bros.: Sugar, 4,985 lbs., 188.39; syrup, 5,491 lbs., 161.54; rice, 2,500 lbs., 95.00; tobacco, 483 lbs., 319.11; canned vegetables, 8 doz., 8.60; canned fruit, 4 doz., 3.80; currants, 328 lbs., 19.68; mixed peel, 25 lbs., 3.25; raisins, 310 lbs., 25.43; corn starch, 40 lbs., 2.70; matches, 1 case, 4.00; soap, 12 boxes, 42.00; pails, 6 doz., 17.25; molasses, 45 gals., 13.05; sundries, 7.20 ..... 911 00

Maloney, Jno. & Co.: Lime, 6,000 lbs., 22.15; cement, 22 bbls., 56.15; pipe, 140 ft., 21.00; fire brick, 1,300, 42.00; sand, 4.00; cartage, 4.95; gravel, 16.00; fire clay, 1,500 lbs., 9.00 ..... 175 25

Mullin & Muir: Wall paper, 67.55; Morgan, Judge: Exam. of lunatics, 15.00 ..... 82 55

Murray, W. A. & Co.: Sheeting, 47 yds., 17.35; towels, 1½ doz., 5.25; towelling, 32 yds., 4.08; cretonne, 10 yds., 3.00; quilts (3), 22.50; sundries, 20.41 ..... 72 59

Metallic Roofing Co.: Repairing roof 12 62

McLaughlin, M. & Co.: Flour contract, 407 bbls., at 3.60, 1,465.20; (.16 additional) 719 bbls., at 3.76, 2,703.44 ..... 4,168 64

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

CENTRAL PRISON.—*Concluded.*

EXPENSES.—*Concluded.*

Macdonald, Jno. & Co.: Blankets, 4.80; cotton, 110 yds., 5.55; ticking, 66 yds., 9.93	20 33
Nelson, H. W. & Co.: Brooms, 107 doz., 288.05; whisks, 8 doz., 11.02	299 07
Nichol, W. J. & Co.: Tea, 612 lbs.,	113 76
O'Keefe Mantel & Tile Co.: Tile and grate	14 88
Page & Co.: Fixing locks, 9.10; Pugsley, R.: Hay, 2750 lbs., 14.43	23 53
Postmater: Postage stamps	128 00
Prisoners' Aid Association: Cab hire *re* religious services	450 00
Rutherford, Marshall & Co.: Butter contract, 2,113½ lbs., at .16¾	354 09
Rogers Furniture Co.: Chair, 18.00; Rennie, Wm.: Seeds, bulbs, etc., 152.21	170 21
Rogers, Elias Co.: (Balce. 1903 coal contract), Run of Mine, 111-700 tons at 3.95, 439.83; 1904 contract, egg, 51-1700 tons, at 5.74, 297.62; nut, 74-1800 tons, at 5.74, 429.92; screenings, 346-1800 tons, at 2.85, 988.68	2,156 05
Robertson, The Jas. Co.: Castings, repairs, etc., 56.76; iron pipe, 38.93; valves, 42.48; boiler, 8.82	146 99
Rochester Germicide Co.: Disinfectant	11 00
Ryan, M.: Shaving soap, 1 gro., 10.08; figs, 80 lbs., 3.20; apples, 30 bbls., 62.50; eggs, 45 doz., 13.05; beans, 15¾ bus., 25.20; barley, 3 bags, 7.50; salt, 4 bbls., 9.15; lard, 150 lbs., 14.25; starch, 40 lbs., 2.70; ham, 50 lbs., 6.25; currants, 100 lbs., 6.00; canned vegetables, 36 doz., 40.50; sundries, 17.68	218 06
Remington Typewriter Co.: Carbon paper, 4.00; ribbon, 3.50	7 50
Sundry persons: Services as temporary guards:— J. H. Colvin, 55.00; J. H. Callaghan, 210.00; J. R. Dundas, 150 00; G. L. Stewart, 41.66; W. M. Hunter, 210.00; A. McFalls, 13.50; J. White, 280.00; F. J. Yourex, 460.00	1,420 16
Sparrow, Geo. & Co.: Iron, tinware, etc., 5.00; re-tinning coffee urn, etc., 49.98; repairs, 6.00	60 98
Smith, J. B. & Son: Lumber, etc., 688.83; Standard Vinegar Co.: Vinegar, 1½ bbls., 7.52;	696 35
Sundry Newspapers: Advertising *re* supplies, 63.15; *re* fuel, 63.00	126 15
Stewart & Wood: Paint, 7.28; alabastine, 180 lbs., 12.60	19 88
Simcoe Wood & Lumber Co.: Ry. ties, 35.00; Simmers, J. A.: Seeds, bulbs, etc., 102.47	137 47
Standard Woollen Mills Co.: Shirts, 30 doz., 181.88; Spence, Dr. J.: Surgical operations, 20.00	201 88
Smith, W. Harland: Exchange on horse, 75.00; repg. harness, 16.25	91 25
Shuttleworth, E. B. Chem. Co.: Drugs & chems., 167.87; Stanway, Geo. & Co.: Tea, 875 lbs., 190.38	358 25
Simpson, Robt. Co.: Gloves, 26 prs., 26.00; Shirts, 5 doz., 28.75; straw hats, 29.27; hats, 6.00; shoes, 4.00; cot, 6.00	100 02
Stanners, A. C.: Spectacles, 6 doz., 15.00; sundries, .15	15 15
Sundry persons: Allowance for overwork and good conduct	166 50
St Michael's Cathedral: Cab hire *re* religious services	250 00
Toronto Coffee & Spice Co.: Baking powder, 160 lbs., 28.80; pepper, 160 lbs., 32.00; coffee, 660 lbs., 136.80; sundries, 5.25	202 85
Toronto Electric Light Co.: Electric light, 787.86; *Toronto Ry. and Steamboat Guide*, Sub., 5.00	792 86
Taylor, Jno. & Co.: Laundry soap, 3.551 lbs., 133.16; toilet soap, 24 boxes, 88.20; sal soda, 375 lbs., 3.75; shaving soap, 1 gro., 6.00	231 11
Taylor, J. & J.: Special keys, 126.58; Toronto Ry. Co.: Car tickets, 105.00	231 58
United Factories: W. W. heads, 1 doz., 25.33; banister brushes, ½ doz., 1.62	26 95
Upper Canada Bible Society: Bibles, 400	260 00
Vance & Co.: (Balce. 1903 butter contract), 118 lbs., at .18, 21.24 potato contract, 1.518 bus., at .69, 1,047.23; beans, 153 bus., 280.87; pot barley, 3 bbls., 13.25; cheese, 228 lbs., 24.33; lard, 450 lbs., 41.25; salt, 38.35; ham, 192 lbs., 25.36; eggs, 150 doz., 27.70; berries, 40.44; pork, 33 bbls., 602.50; apples, 49.50; peaches, 9.60; poultry, 16 28; sundries, 6.90	2,244 80
Wheeler & Bain: Stove, 13.00; Warwick Bros. & Rutter: Ptg. & staty., 42.80	55 80
Wood, Vallance & Co.: Cartridges, 11.23; White, E.: Sausages, 565 lbs., 62.15	73 38
Watson, Jno. T.: Hay, 3-810 tons, 36.68; Ward, G. W. & Son: Horse, 175.00	211 68
Whimster, Jas.: Towels, 5 doz., 12.25; handkerchiefs, 12 doz., 10.20; crash, 872 yds., 89.00; cotton, 713 yds., 64.25; beans, 17 bus., 31.61; duck, 30 yds., 7.50; sheeting, 65 yds., 14.30; towelling, 161 yds., 16.15	245 26
Waterworks Dept.: Water	751 21
Sundry persons: Accounts unenumerated under 10.00	68 95

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.

SALARIES ($24,180.56).

R. Mathison: Twelve months' salary as	Superintendent		1,920 00
P. D. Goldsmith, M.D.: do	Physician		600 00
W. Cochrane: do	Bursar		1,000 00
M. Ross: do	Matron and Housekeeper		500 00
D. R. Coleman: do	Teacher		1,200 00
Paul Denys: do	do		1,000 00
J. C. Balis: do	do		1,000 00
G. F. Stewart: do	do		1,000 00
W. J. Campbell: do	do		1,000 00
H. L. Ingram: do	do		700 00
Effie Terrill: do	do		650 00
Sarah Templeton: do	do		700 00
T. Cross: Seven do	do	Articulation	350 00
A. Mathison: Five do	do	do	275 00
Thos. C. Forrester: Twelve do	do		650 00
Mary Bull: do	do		350 00
Sylvia L. Balis: do	do		650 00
Georgina Linn: do	do		400 00
Ada James: do	do		300 00
C. H. Gibson: Seven do	do	Articulation	291 70
T. Cross: Five do	do	do	208 30
M. J. Madden: Twelve do	do		300 00
H. M. Gowsell: do	do	Domestic Science	366 60
H. J. Austin: do	Clerk and Stenographer		400 00
Wm. Nurse: do	Storekeeper and Assoc. Supervisor		600 00
G. G. Keith: do	Boys' Supervisor		540 00
M. Dempsey: do	Seamstress and Girls' Supervisor		350 00
M. L. Stratton: Ten do	Trained Nurse		328 98
Jno. Dowrie: Twelve do	Carpenter		550 00
Wm. Langmuir: do	Asst. Carpenter		225 00
A. Morrice: do	Shoemaker		380 00
J. T. Burns: do	Printer		550 00
C. J. Peppin: do	Engineer		600 00
D. Cunningham: do	Baker		450 00
Jno. Moore: do	Farmer and Gardener		450 00
H. McIlhaw: do	Watchman		324 00
Jas. Ross: Three do	Stoker		78 22
C. Lloyd: Six do	do		146 78
A. Sills: Three do	do		75 00
C. Benedict: do	Teamster		60 00
H. Black: Nine do	do		204 00
H. Black: Three do	Messenger		48 00
S. Rickett: Nine do	do		162 00
Nurse Maids (2): Eleven do			301 04
Cooks (2): Twelve do			344 58
Maids (10): do			1,239 40
Laundresses (3): do			422 00

EXPENSES ($25,904.84).

Allen, S.: Vinegar, 42 gals., 11.91; Austin, H. J.: Advertising, 8.00	19 91
Ackerill, D. H., V.S.: Pro. services & medicines, 21.00; *Am. Annals of the Deaf*: Sub., 48.20	69 20
Black, W. & Son: Fish, 102.35; Bleecker, D.: Drugs & chems., 19.60	121 95
Brown, Arthur: School inspection, 50.00; trav. expenses, 7.85	57 85
Belleville Canning Co.: Canned vegetables, 130 doz. cans, 126.00; canned fruit, 102 doz. cans, 134.74; jam, 200 lbs., 16.00	276 74
Blackburn, T.: Regulators, 10.34; Briggs, Wm.: "Object Lessons," 12.80	23 14
Belleville Gas Co.: Gas, 40.02; Brown, W.: Wages as temporary farm hand, 108.00	148 02
Bell Tel. Co.: Messages, 8.70; Bursar: To pay sundries, 38.99	47 69
Chown, W. W. Co.: Iron hardware, etc., 43.95; valves, castings, etc., 54.74; rubber hose, 50 ft., 12.50; closet bowls (2), 24.00	135 19

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.—*Continued.*

EXPENSES.—*Continued.*

C. P. Industries: Flannel, 86 yds., 21.50; tweed, 171 yds., 94.30 ..... 115 80
Clark, Wm.: Meat contract, 37,261 lbs., at 5.90, 2,198.34; pork, 1,465 lbs., 146.50; sausage, 740 lbs., 66.60; sundries, 1,25 ..... 2,412 69
Collins, Geo.: Hardwood, 28 cords, 128.80; Caldwell, Jos.: Dentistry, 50.00..... 178 80
Copeland, Jas.: Harness repairs, 45.61; blankets, 4.50; single harness, 32.50.... 82 61
Canadian Mute: Postage stamps, 8.25; Cook, D. C. Pub. Co.: S. S. leaflets, 28.75 37 00
Common Sense Mfg. Co.: Roach pwdr., 6 lbs., 6.00; Cameron, L. K.: Paper & staty., 71.00 77 00
Cronk, H. W.: Stabling horses, 22.50; hire of vans, 22.50; clipping horses, 2.00.... 47 00
Carman, S.: Entertainment, 10.00; Can. Exp. Co.: Exp. charges, 27.25 ..... 37 25
C. P. R. Tel. Co.: Telegrams, 10.66; Cochrane, W.: Fares of indigent pupils, 29.70 40 36
Duckworth & Brough: Blacksmithing, 42.25; Davies, The Wm. Co.: Bacon & ham 87 lbs., 13.45 ..... 55 70
Feeney, P.: Hay, 3,980 lbs., 15.56; Frost, J. G.: Hair, 50 lbs., 30.00 ..... 45 56
Foster, Chas. Pottery Co.: Books, 22.50; Farley, C.: Apples, 3 bbls., 7.50 ..... 30 00
Fleischmann & Co.: Yeast 166 lbs., 49.80; Finnegan Carriage Co.: Repg. vehicles, 38.80 88 60
Gilmour Bros. & Co.: Drugs & chems., 28.50; Gage, W. J. & Co.: Stationery, etc., 207.12 235 62
Graham, R. J.: Apples, 37 bbls., 74.50; Greenleaf & Son: Repairs, 17.65 ..... 92 15
Grant, Hamilton Oil Co.: Cyl. oil 29 gals., 22.50; Gibson, W. J., M.D.: Pro. services 12.00 34 50
Grafton, F. E. & Sons: Subs., 22.40; G. T. Railway Co.: Freight charges, 18.94..... 41 34
G. N. W. Tel. Co.: Telegrams, 11.71; Gibson, A. A.: Postage stamps, 131.50 ..... 143 21
Haslip, T.: (Balce. 1903 meat contract) 2,122 lbs. at 5.95, 126.25; suet, 30 lbs., 3.00.... 129 25
Haseltine, W.: Threshing grain, 22.00; Hall, Wm.: Apples, 8 bbls., 16.00..... 38 00
Hagan, W.: Cartage 14 00
Hanley, J. C. & Co.: Sundry groceries, 126.08; cranberries, 7.50; vinegar, 29 gals., 7.38; raisins, 310 lbs., 24.10; lemons & oranges, 35.25; haddie, 38.10; salmon, 120 doz. cans, 207.80; herring, 16 doz., 17.60; nuts, 27 lbs., 49.00; table raisins, 18 boxes, 69.00; apples, 12½ bbls., 28.38; **prunes, 986 lbs., 75.40;** dates, 60 lbs., 4.80; lard, 160 lbs., 18.35; rice, 220 lbs., 12.20; bacon, 149 lbs., 23.70; syrup, 7,181 lbs., 287.24; rolled oats, 10½ bbls., 55.50; wheatlets, 196 lbs., 7.84; currants, 496 lbs., 37.26; bran, 2½ tons, 50.75; corn meal, 3 bbls., 13.50; tea, 756 lbs., 217.70; sardines, 20.60; evap. apples, 50 lbs.,3.75; corn starch, 170 lbs., 13.25; mustard, 22.08; flour, 29.13; pickles, 2½ doz., 9.25; wheat, 18.10; cheese, 287 lbs., 33.98; syrup, 31 gals., 29.75; maple sugar, 103 lbs., 12.36; beans, 4 2-3 bus., 8.40; figs, 42 lbs., 3.10; pepper, 35 lbs., 10.70; cocoa, 6 lbs., 3.00; salt, 2 bbls., 3.00; soap, 55.25; potatoes, 45 bags, 32.25; shorts, 1,000 lbs., 12.00; matches, 1 case, 4.00 ..... 1,738 38
Institution Shoe Shop: Repg. shoes for indigent pupils 142 64
Industrial Soap & Oil Co.: Laundry soap, 715 lbs. 28 60
Kenny, Walmsley & Co.: Currants, 68 lbs., 4.76; prunes, 100 lbs., 7.00; haddie, 8 doz., 8.40; herring, 16 doz., 16.40; rice, 331 lbs., 15.40; sugar, 13,331 lbs., 598.01; sundries, 32.37; corn starch, 200 lbs., 13.25; laundry starch, 100 lbs., 6.00; lye, 4 cases, 15.00; salt, 1 bbl., 3.25; raisins, 108 lbs.,9.72 729 56
Leavens, C. C.: Coal 912 60
Laidlaw & Ketcheson: Cotton. 16 yds., .80; sheeting, 407 yds., 172.98; carpet, 29 yds., 34.37: sundries, 27.38; oil cloth, 24 yds., 6.00; towelling, 307 yds., 46.16; napkins, 3 doz., 8.25 ..... 295 94
Lally, M.: Scuffler, 8.50; Lang, Chas.: Work on sewage works, 16.00..... 24 50
Lloyd, S. W.: Hay, 2,260 lbs., 10.73; Meyer Bros.: Duck, 9 yds., 6.39 ..... 17 12
Meincke, C. A. & Co.: Ldry. machinery, 9.50; Mullin C.: Freight on cordwood, 29.00 38 80
Massey Harris Co.: Repg. implements, 10.10; Morang, G. N. & Co.: Books, 18.70 ..... 28 80
Map & School Supply Co.: School supplies 7 40
Mathison, R.: Balce. *re* table allowance.314.28; allowance *re* furniture & furnishings, 80.76; trav. expenses, 124.24 ..... 519 28
McGie, Wm.: Castings, etc., 24.47; iron, hardware, etc., 38.41; repg. roofs, 94.55; thermometer, 4.50 ..... 161 93
McBrearty, M.: Trav. expenses, 49.30; McCargar, J. K.: Apples, 9 bbls., 9.00..... 58 30
McIntosh Bros.: Dusters, ½ doz., 4.80; athletic goods, 7.00; chinaware, 6.03; toilet paper, 15.00; clothes baskets, ½ doz., 7.50; office baskets (6), 4.50; sundries 6,.75 51 58
McLaughlin, M. & Co.: Flour contract, 80 bbls., at 3.77½, 302.00; (.16 additional), 136 bbls. at 3.93½, 535.16 ..... 837 16
McIntyre, E. J.: Peaches, 20 baskets. 20.00; pears, 1 bbl., 4.00 ..... 24 00
McKeown, J. S.: Drugs & chems., 31.40; McCoy, R.: Hire of vans, 12.00..... 43 40

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.— *Continued.*

EXPENSES.—*Continued.*

McMurray, B.: Repg. telephones, 13.85; Nelson, H. W. & Co.: Brooms, 36 doz., 116.64 — 130 49
Nasmith Co.: Lunches for pupils, 12.30; N. C. School for Deaf and Dumb: Books, 15.00 — 27 30
Oak Hall: Clothing, 7.35; Phillips, R.: Apples, 6 bbls., 14.00 — 21 35
Paterson, Wm. & Son Co.:.... Biscuits, tarts, etc., 99.83;.... candy, 265 lbs., 21.78; peanuts, 130 lbs., 15.88; popcorn, 3 gro., 3.00 — 140 49
Plunkett, Geo.: Coal contract, large egg, 851-390 tons at 5.25, 4,468.77; small egg, stove & nut, 102-1210 tons at 5.50, 564.30 — 5,033 07
Pringle, A. N.: Lumber, 151.91; Palen, H. B.: Services tempy. stenographer, 18.00 — 169 91
Parke, Davis & Co.: Drugs, etc., 9.26; Postmaster: Rent of box, 4.00 — 13 26
Ritchie Co.: Sundries, 38.33; linenette, 43 yds., 5.38; wool, 10 lbs., 13.95 linen, 4⅜ yds., 4.28; rug, 8.75 — 70 69
Richards Pure Soap Co.: Laundry soap, 3,525 lbs., 141.00; Robinson, A.: Subs., 8.00 — 149 00
Rathbun Co.: Grate coal, 78-700 tons at 7.00 — 548 45
Reed & Sills: Repg. mattrasses, furniture, etc., 64.90; Ray, Alex.: Drugs & chems., 88.55 — 153 45
Roblin, Geo. E.: Honey, 753 lbs., 59.04; Ross, J. V.: Mason work, 18.00 — 77 04
Sprague, Jno. & Son: (Balce. 1903 butter contract) 723 lbs. at .22 — 159 06
Sundry officials: Travelling expenses taking pupils home & returning them to Institution, G. G. Keith, 13.80; D. R. Coleman, 22.60; P. Denys, 23.10; G. F. Stewart, 23.75; J. T. Burns, 8.30; Ada James, 8.40; S. L. Balis, 14.20; M. Dempsey, 12.50; W. Nurse, 5.75; W. Cochrane, 2.50; W. J. Campbell, 14.10 — 149 00
Sundry persons: Services as trained nurse re epidemic:— Edith Allison, 108.01; Olive Allison, 44.00; F. Bates, 46.00; trav. exps., 6.90; Charlotte Edwards, 104.30; Beatrice Gibson, 20.00 — 329 21
Sundry newspapers: Advertising re supplies, 54.40; re fuel, 43.00 — 97 40
Sprague, Mark: Butter contract, 7,532 lbs. at .23, 1,732.36; turkey, 50 lbs., 6.50; chickens, 183 lbs., 20.13; apples, 10 bbls., 15.00 — 1,773 99
Sinclair, D. V. & Co.: Dress goods, 40 yds., 18.70; sundry furnishings, 54.07; ticking, 55 yds., 13.75; cotton, 219 yds., 16.44; linen, 25 yds., 15.08; napkins, 2 doz., 3.50; batting, 6.00; buttons, 3.00; silesia, 50 yds., 6.88; denim, 58 yds., 14.50; thread, 5 gro., 27.00 — 178 92
Stroud Bros.: Chinaware, etc., 28.03; cups, 7 doz., 4.20; cups & saucers, 35 doz., 28.00; fruit jars, 8 doz., 11.20; toilet set, 5.00; plates, 15 doz., 10.50; jugs, 2 doz., 7.20; scollops, 2 doz., 6.00 — 100 13
Schuster, C.: Shingles, 2M., 6.00; lumber, 6,015 ft., 147.37 — 153 37
Scarfe & Co.: Varnish, 10 gals., 50.00; Sulman, Chas. N.: Fireworks, 20.00 — 70 00
Sills, S. G.: Milk, 14,915 qts., 522.02; reaping 15 acres, 17.25 — 539 27
Steinberger, Hendry Co.: Charts, 46.00; Steele, Briggs Seed Co.: Seeds & bulbs, 21.40 — 67 40
Simmers, J. A.: Seeds, bulbs, etc., 24.50; Stevenson, M. J.: Books, 12.50 — 37 00
Scantlebury, C. B.: Stationery, 68.48; slates, 5 cases, 45.00; slate pencils, 44 boxes, 8.80; framing pictures, 18.00; toilet paper, 2 cases, 10.00; books, 61.35; wall paper, 41.47; repairs, 8.00; sub., 1.00; bibles, 12.00; Christmas Globes, 13.50 — 287 60
Sine, A. O.: Horseshoeing, 19.00; Shane, P.: Work on sewage works, 350.00 — 369 00
Sills, A.: Services tempy. stoker, 25.00; Soal, T.: Cartage, 23.04 — 48 04
Thompson & Co.: Chairs, 23.60; Templeton, R. & Co.: Drugs & chems., 233.27 — 256 87
Taylor, C.: Flag pole, 90.00; re-erecting pole, 15.00 — 105 00
Thrasher, Geo.: Horseshoeing — 76 25
Trenton Electric & Water Co.: Electric light, 976.13; electric shades, 20.16 — 996 29
Vermilyea, A. W. & Son: Rubber boots, 5 pr., 21.75; sundries, 4.70 — 26 45
Vandervoort, R.: Hay, 2,190 tons — 16 76
Vermilyea, A. G.: Sundry groceries, 84.63; coffee, 585 lbs., 170.05; lard, 240 lbs., 30.00; poultry, 46.25; eggs, 1,501 doz., 303.22; corn starch, 40 lbs., 3.20; salmon, 20 doz cans, 32.60; pepper 25 lbs., 8.00; baking powder, 15 doz., 75.00; soap, 150.50; apples, 13 bbls., 32.50; turkeys, 435 lbs., 65.25; sugar, 300 lbs., 15.00; salt, 6.75; cheese, 598 lbs., 72.36; bacon, 34 lbs., 5.07; lye, 2 cases, 8.00; berries, 86.60; bananas, 4.90; currants, 9.11; cherries, 4.80 — 1,213 99
Walker, J. W.: Iron, hardware, etc., 133.35 turpentine, 10 gals., 10.00; glass, 45.50; nails, 21.55; locks, 7.00; lawn mowers (2), 11. 00; rubber hose, 225 ft., 49.50; enamel, 44 tins, 8.80; tea spoons, 15 doz., 15.00; floor dressing, 7 tins, 8.75; table spoons, 2 doz., 4.00; turpentine, 5 gals., 5.00; dessert forks, 2 doz., 4.00; latches (12), 14.25; white lead, 1.200 lbs., 68.00 — 405 70
Williams, The F. Co.: Disinfectant, 30 gals., 48.00; Woods, A.: Hay, 5.870 lbs., 12.38 — 66 38

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.— *Concluded.*

EXPENSES.—*Concluded.*

Wallace, Jas. & Co.: Peaches, 4.55; plums, 10.05; grapes, 16.60; sundries, .60	31 80
Williams, Geo.: Filling ice houses as per contract, 90.00; cleaning flues, 12.00	102 00
Watson, W. W.: Bread, 7.74; Walker Foundry: Castings, repairs, etc., 22.78	30 52
Weymark, Geo.: Painting, etc., 150.25; Wilson, R.: Services tempy. stoker, 15.52	165 77
Waterworks Dept.: Water	900 00
Sundry persons: Accounts unenumerated under 10.00	81 05

INSTITUTION FOR THE BLIND, BRANTFORD.

SALARIES ($17,844.89).

H. F. Gardiner: Twelve months' salary as		Superintendent	1,800 00
W. B. Wickens:	do	Asst. do	1,200 00
W. N. Hossie:	do	Bursar	1,100 00
J. A. Marquis, M.D.:	do	Physician	500 00
A. M. Rice:	do	Matron	450 00
M. E. Walsh:	do	Teacher	500 00
C. Gillen:	do	do	500 00
E. Moore:	do	do	500 00
E. A. Harrington:	do	do	400 00
E. Loveys:	do	do	350 00
L. H. Haycock:	do	do	350 00
E. Lee:	do	do	400 00
K. Burke: Nine	do	do	151 36
T. S. Usher: One	do	do	50 00
P. J. Roney: Twelve	do	do	462 50
E. A. Humphries:	do	do	700 00
J. A. Hayter: Eleven	do	do	550 00
Thos. Truss: Twelve	do	Trades Instructor	1,100 00
M. J. Cronk: Nine	do	Visitors Attendant	168 36
J. Kirk: Twelve	do	Nurse	290 00
M. Stewart:	do	do	260 00
G. G. Lambden:	do	Carpenter	450 00
Thos. Harrison: Four	do	Engineer	200 00
J. B. Wilson: Eight	do	do	400 00
J. B. Wilson: Four	do	Asst. Engineer	158 33
A. L. McIntyre: Eight	do	do	316 67
A. L. McIntyre: Four	do	Fireman	120 00
C. F. Lewis: Eight	do	do	250 00
D. Willits: Twelve	do	Gardener	500 00
P. Berney:	do	Teamster and Farm Hand	350 00
F. Osborne:	do	Porter and Messenger	260 00
Geo. Grierson:	do	Baker	425 00
Cooks (2):	do		347 77
Maids (10):	do		1,170 36
Laundresses (4):	do		481 54
Jno. Daly:	do	Temporary Laborer	314 00
J. W. German: One-half	do	Night Watchman	15 00
Jno. McLean: Three & two-thirds		do	112 00
J. Swayne: Two & one-fourth		do	67 00
C. F. Lewis: Four	do	do	125 00

EXPENSES ($14,693.03).

Agnew, Jno.: Boots & shoes, 14.20; Allen Electric Co.: Lamps, fittings, etc., 31.00	45 20
Anglo-Can. Music Pub. Assn: Sheet music, 7.21; Am. Ptg. House for the Blind: Books, 28.85	36 06
Am. Express Co.: Exp. charges, 4.05; Almas, Jas.: Apples, 4 bbls., 5.00	9 05
Ballantyne, A.: Iron hardware, etc., 58.54; white lead, 200 lbs., 11.40; raw oil, 5 gals., 3.25; glass, 4.80; packing, 11 lbs., 7.23; scales, 1 pr., 5.50; varnish, 1 gal., 3.00; wire screen 13.50; turpentine, 8 gals., 8.60	115 82

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE BLIND, BRANTFORD.—*Continued.*

EXPENSES.—*Continued.*

Burns, Jas.: Bacon, 54 lb., 8.81; eggs, 53 doz., 9.40; sugar, 621 lbs., 29.85; lard, 43 lbs., 4.85; soap, 4.25; sundries, 28.19 ..... 85 35

Brown, A. E.: Tea, 204 lbs., 56.30; coffee, 323 lbs., 85.65; breakfast foods, 4.93; sundries, 2.64 ..... 149 52

Bloxham, J. C.: Meat contract, 15,755 lbs. at .6¾, 1,063.43; sundries, 16.93 ..... 1,080 36

Bishop, Jno. & Son: Hardware sundries, 54.00; white lead, 300 lbs., 19.50; raw oil, 25 gals., 17.50; turpentine, 10 gals., 10.00; enamel, 2 gals., 12.00; hard oil, 3 gals., 7.50 ..... 120 50

Brantford Starch Works: Laundry starch, 222 lbs., 14.03; ldry. soap, 220 lbs., 11.00 .. 25 03

Brantford Electric & Operating Co.: Electric light, 639.00; power, 42.33; repairs, 42.68 724 01

Brantford Gas Co.: Gas, 327.00; Brantford St. Railway Co.: Car tickets, 9.00 ..... 336 00

Brantford Water Works: Water, 244.23; rent of hydrants, 160.00 ..... 404 23

Brant Avenue Methodist Church: Sittings for 26 pupils 52 00

Brantford Coal Co.: (Balce. 1903 coal contract), soft lump, 24-1730 tons at 5.05, 125.57; pine, 7.55 ..... 133 12

Bond, A. E.: Eggs, 30 doz., 8.40; Burns, R. C.: Table oil cloth, 12.00; sundries, .90 21 30

Britnell, A.: Books, 50.30; Barnes, Adam: Horses, 1 team, 300.00 ..... 350 30

Buskard, Jno.: Stationery, etc., 20.05; Bell, B. C., M.D.: Pro. services, 179.50..... 199 55

Boughner, H.: Postage stamps & post cards, 126.50; Bursar: To pay sundries, 61.39 .... 187 89

Crompton, E. B. & Co.: Sheeting, 255 yds., 63.69; cotton, 191 yds., 18.47; sundries, 17.53; towelling, 378 yds., 71.94; quilts (30), 43.50; tabling, 15 yds., 9.00 ..... 224 13

Chave, R. C.: Painting and paperhanging, 224.15; Cleator, H.: Threshing grain, 6.00 230 15

Cowan, T. A.: Repairs, plumbing, etc., 95.43; hose, 150 ft., 21.00; closet bowl, 12.00 128 43

Charleton, T. W.: Eggs, 35 doz., 8.03; Charleton, Mary: Eggs, 30 doz., 5.16 .. 13 19

Cobb, J. B.: Sub., 3.50; Cameron, L. K.: Paper & staty., 13.44 ..... 16 94

Can. Express Co.: Exp. charges, 8.42; Cowan, F.: Board of pupil, 22.50 ..... 30 92

Duncan, Chas.: Shade rollers, 2.28; carpet, 54.00; curtains, 2 prs., 11.00; sundries, 5.25 72 53

Dillon, W. G.: Harness repairs, 9.30; Daniels, A. W.: Harness repairs, 40.30 ..... 49 60

Dyckman, J .M. & Co.: Filling ice house, 70.00; manure, 21.00; saw dust, 8.00; cartage, 26.00 ..... 125 00

Darwin Orchestra: Services of orchestra, 12.00; Fitness, Wm.: Repairs, bricklaying etc., 105.15 ..... 117 15

Forde, J. & Co.: Yeast, 16.65; eggs, 30 doz., 7.50; tea, 3 lbs., 1.50 ..... 25 65

Foulds Bros.: Berries, 8.25; poultry, vegetables, etc., 28.24; sundries, 8.11 ..... 44 60

Foster, Jas.: Dials, 7.50; Fyle, J. J., V.S.: Pro. services & medicines, 82.40..... 89 90

First Baptist Church: Sittings for 6 pupils, 12.00; Fyle, L.: Cutting grain, 7.00..... 19 00

Gardiner, H. F.: Balce. *re* table allowance, 223.56; allowance *re* furniture & furnishings, 92.73; trav. exps. 76.35; sundries, for Christmas tree, 10.00; incidentals, 2.00..... 404 64

Glancey, Jno.: Cutting & drawing, grain, 11.25; Graham, Alex., Plants, 17.50 ..... 28 75

Grace Anglican Church: Sittings for 26 pupils 52 00

Gibson, Whitaker Co.: Bread, etc., 6.55; G. T. Railway Co.: Freight charges, 8.19 .... 14 74

Hartley, R. & F.: Bacon, 21 lbs., 3.49; mustard, 2.00; eggs, 95 doz., 22.45; currants, 30 lbs., 2.00; sugar, 1,157 lbs., 54.35; lard, 86 lbs., 9.04; soap, 4.00; rice, 100 lbs., 6.00; cocoa, 3.36; cheese, 17 lbs., 2.23; beans, 2 bus., 3.50; brooms, 1 doz., 3.00; salmon, 4 doz., 6.00; sundries, 14.04 ..... 135 46

Hughes, W. L.: Jacket, 4.25; Howey, J. R.: Cement works, 35.20 ..... 39 45

Hossie, W. N.: To pay fares of indigent pupils, 30.60; guides' fares, 21.65; pupils pumping organ, 29.45 ..... 81 70

Hay, Jas. B.: Seeds, bulbs, etc., 31.23; Hearns, F. P.: Horseshoeing, 25.45 ..... 56 68

Hurley, J.: Horseshoeing, 27.25; Hurley & Watkins: Printing, 55.50 ..... 82 75

Hammacher, Schlemmer & Co.: Repg. pianos, 11.88; Harrison, Thos.: Furnishings, 7.50 19 38

Institution Work Shop: Baskets, 11.85; Indus. Soap & Oil Co.: Ldry. soap, 366 lbs., 14.64 26 49

John H. Statford Hospital: Care and maintenance 100 00

Long, M. E.: Repairing furniture, etc. 35 15

Malcolm, Jno.: Butter contract, 4,353 lbs. at .22 ..... 957 66

Metropolitan Soap Co.: Ldry. soap, 396 lbs., 19.80; Malcolm, Geo. H.: Wool blankets, 10 prs., 33.50 ..... 53 30

Mann, Jno. & Sons: Coal contract, stove, egg, & nut, 494-1535 tons at 5.80, 2,869.65; soft, 94-235 tons at 4.10, 385.88; lime, 1 bus., .25 ..... 3,255 78

Moore, Henry & Son: Sundries, 27.24; sugar, 1,253 lbs., 56.07; eggs, 89 doz., 13.82; rice, 100 lbs., 5.50; sauces, 1 doz., 3.80; bacon, 32 lbs., 5.25; brooms, 1 doz., 3.50; lard, 60 lbs., 6.40 ..... 121 58

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE BLIND, BRANTFORD.—*Continued.*

EXPENSES.—*Continued.*

Mintern, M.: (Balce. 1903 meat contract), 1,011 lbs., at .7 ..... 85 71
Merrill, F. W.: Drugs and chems., 14.20; Mulligan, R.: Wood, 2½ cords, 7.50 ..... 21 70
Mitchell, C. J.: Repairs, 14.70; Meyer Bros.: Washing soda, 560 lbs., 11.20 ..... 25 90
Mallagh, W. J. F.: Staty., books, etc., 28.30; Mason & Risch Piano Co.: Repg. pianos, 17.04 45 34
McLean, Ogilvie & Lochead: Napkins, 3 doz., 8.25; sundry furnishings, 16.49 ..... 24 74
McBrearty, M.: Trav. expenses inspection of boilers 4 00
National Typewriter Co.: Repg. and adjusting 8 typewriters 48 00
Nightingale, Jas.: Cleaning closets, 7.63; Osborne, Chas.: Hay, 2,120 lbs., 7.95.... 15 58
Osborne, W.: Hay, 5-290 tons, 40.09; Ont. Pub Co.: Directories, 9.00 ..... 49 09
Oliver, Wm.: Rent of engine & filling silo 17 00
Paterson, E.: Sundry groceries, 26.15; biscuits, 9.06; eggs, 53 doz., 13.52; bacon, 42 lbs., 7.16; cheese, 49 lbs., 6.91; corn starch, 82 lbs., 5.95; pepper, 5 lbs., 1.25; lard, 143 lbs., 17.88; canned vegetables, 4 doz., 5.20; syrup, 4 gals., 2.40; soap, 12.40; tea, 5 lbs., 2.50; mustard, 3.36; sugar, 1,089 lbs., 51.21; prunes, 50 lbs., 4.00; raisins, 30 lbs., 3.05; sauces, 1 doz., 3.75; pickles, 1 doz., 4.20.... 179 95
Pugsley, Dingman & Co.: Ldry. soap, 1,663 lbs., 78.99; Preston, T. H.: Sub. (3 copies), 9.00 87 99
Park & Co.: Subs., *Globe*, 16.00; *Mail and Empire*, 8.00; sundry magazines, 48.20; staty., etc., 5.90; photos, 23.50 ..... 101 60
Postmaster: Rent of box, 6.00; Ryan, P.: Envelopes, tags, etc., 42.50..... 48 50
Ryerson, T. E. & Co.: Poultry, 91.72; fruit, 71.47; fish, 20.79; sundries, 12.98 ..... 196 96
Rolph Clark Co.: Die & stamping, 22.00; Robertson, M. H.: Drugs & chem., 93.69 115 69
Ratcliffe, W. A.: Tea, 125 lbs., 30.50; Ritchie, D. A.: Barbering, 14.20 ..... 44 70
Smith, A. J.: Sundry groceries, 32.10; eggs, 86 doz., 23.00; sugar, 931 lbs., 38.01; raisins, 28 lbs., 2.80; brooms, 1 doz., 3.00; lard, 90 lbs., 9.15; soap, 15.60; prunes, 50 lbs., 4.50; apricots, 50 lbs., 6.25; rice, 100 lbs., 5.50 ..... 139 91
Schultz Bros. & Co.: Slate racks, (25), 15.00; repairs, lumber, etc., 44.85 ..... 59 85
Steinberger Hendry Co.: School supplies, 8.65; Sayles & Carson: Fish, 1,361 lbs., 133.47 142 12
Sutherland, J. & J.: Print paper, 1,108 lbs., 88.64; toilet paper, 3 cases, 22.50; stationery, 42.75; blank books, 57.00; papering & painting, 36.03 ..... 246 92
Standing, T. W. Examination literary classes, 50.00; Smith, H. M.: Cleaning & repg. cisterns, 13.00 ..... 63 00
St. Basils R. C. Church: Sittings for 19 pupils 38 00
St. Andrews Presbyterian Church: Sittings for 23 pupils 46 00
Simmons, S.: Rolled oats, 16 bags, 38.60; bran, 4-1200 tons, 81.30; sundries, 3.50; seeds, 3.75 ..... 127 15
Secord, Wm.: Carpentering work, 16.00; Street Bros.: Cutting feed, 6.00 ..... 22 00
Sundry Newspapers: Advertising *re* supplies, 43.00; *re* fuel, 22.31 ..... 65 31
Smith, A. E.: Repg. shoes, 11.75; Spence, A. & Sons: Repg. vehicles, etc., 63.31 .... 75 06
Sundry Officials: Trav. expenses taking pupils home and returning them to Institution; E. A. Humphries, 27.20; P. J. Roney, 30.75; L. H. Haycock, 20.15; W. B. Wickens, 4.35; E. Lee, 11.90; C. Gillen, 5.35; A. M. Hossie, 4.50; T. Truss, 5.45; E. Moore, 8.75; E. A. Harrington, 2.10 ..... 120 50
Truss, P. G.: Sundry groceries, 21.49; sugar, 900 lbs., 44.10; bacon, 57 lbs., 9.43; eggs, 51 doz., 9.78; cheese, 15 lbs., 1.92; pepper, 10 lbs., 2.80; raisins, 58 lbs., 5.80; starch, 40 lbs., 3.00; tapioca, 100 lbs., 4.00; lard, 23 lbs., 2.60 ..... 104 92
Turnbull, Howard & Co.: Oil stove, 5.00; castings, 4.70; rope, 54 ft., 3.10; iron hardware, etc., 61.62; fire brick, 3 sets, 11.80; tableware, 24.48 ..... 110 70
Toronto College of Music: Examination in music 33 25
Taylor, Chas. & Co.: Valves, etc., 12.30; Tapscott, S. & Co.: Drugs & chems.. 33.53 45 83
Tilley, Jos.: Wall paper, staty., etc., 49.02; Tweedle, W.: Board of pupil, 22.50 .... 71 52
Vanstone, A. L.: Sundry groceries, 21.96; chinaware, 26.92; eggs, 78 doz., 19.28; bacon, 25 lbs., 5.44; lard, 60 lbs., 6.60; sugar, 656 lbs., 27.20; raisins, 28 lbs., 2.38; prunes, 50 lbs., 4.00; corn starch, 40 lbs., 3.20; rice, 100 lbs., 5.75; soap, 4.50; beans, 2 bus., 4.20 ..... 131 43
Wallace, J. T.: Sundry groceries, 57.70; eggs, 51 doz., 18.07; brooms, 1 doz., 4.00; bacon, 18 lbs., 3.05; sugar, 1,418 lbs., 71.81; salmon, 4 doz., 6.00; starch, 42 lbs., 3.36; lard, 20 lbs., 2.40; rice, 100 lbs., 6.00; cheese, 20 lbs., 3.03 ..... 175 47
Winter, G. S. Son & Co.: Sundry groceries, 28.04; pumpkins, 4½ doz., 12.00; lard, 60 lbs., 7.30; sausage, 31 lbs., 2.65; eggs, 50 doz., 8.50; canned vegetables, 6 doz., 6.50; cheese, 26 lbs., 3.66; biscuits, 5.04; pickles, 2 doz., 8.00; raisins, 27 lbs., 2.56; sugar, 367 lbs., 13.38; starch, 41 lbs., 2.46; apricots, 25 lbs., 3.25; salmon, 4 doz., 6.00; syrup, 6 gals., 6.00 ..... 115 34

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

INSTITUTION FOR THE BLIND, BRANTFORD.—*Concluded.*

EXPENSES.—*Concluded.*

Wood Bros.: Chop feed, 6 tons, 133.00; bran, 1,500 lbs., 12.50; shorts, 1,000 lbs., 9.00; sundries, 15.11; flour contract, 87 bbls., at 3.66, 318.42	488 03
Williams, The F. Co.: Disinfectant, 10 gals., 16.00; Wallace, J. A.: Drugs & chems., 16.43	32 43
Wood, Thos. L.: Coal, 5-1970 tons, at 4.75, 28.43; cement, 3½ bbls., 8.70; slabs, 1 cord, 6.00	43 13
Waterous Eng. Works Co.: Repg. boilers, etc., 99.87; Wright, C. B.: Awnings, 16.45	116 32
Whitlock, R. T. & Co.: Clothing, 27.25; Williamson, J.: Board of pupil, 22.50	49 75
Young, J. M. & Co.: Blankets, (40)	133 00
Sundry persons: Accounts unenumerated under 10.00	55 55

ANDREW MERCER REFORMATORY FOR FEMALES

SALARIES ($12,499.64).

Emma O'Sullivan:	Twelve months' salary as	Superintendent	1,000 00
Lucy M. Coad:	do	Asst. do	600 00
M. Elliott:	do	Principal Girls' Refuge	750 00
B. Boland:	do	Secretary	350 00
M. Down:	do	Housekeeper	200 00
P. Backus:	do	Chief Attendant	276 93
Teachers in Refuge (7):	do		2,096 80
Attendants and Servants (11):	do		1,615 78
Jno. S. King, M.D.:	do	Physician	800 00
R. W. Laird:	do	Bursar and Storekeeper	1,100 00
Jas. Kelly:	do	Engineer	600 00
Jno. R. Laing:	do	Asst. Engineer	570 80
P. Chambers:	Eight	Night Watchman	366 64
Jno. Clarke:	Four	do	183 36
R. Wheeler:	Twelve	Messenger (board)	531 00
J. F. Barron:	do	Gardener	450 00
W. A. Hill:	do	Carpenter and mason	608 35
F. Egan:	do	Caretaker and Stableman	400 00

EXPENSES ($18,949.80).

Aikenhead Hardware, Ltd.: Iron, hardware, etc., 32.11; dessert knives, 1 doz., 5.00; hose, 170 ft., 25.00; hose reels (2), 5.00	67 11
Allan, J. W.: Glass, 76.16; white lead, 700 lbs., 38.45; boiled oil, 25 gals., 15.70; turpentine, 16 gals., 16.40; nails, 17 kegs, 51.95; latches (11), 23.10; hardware sundries, 182.14; sash weights, pulleys, cord, etc., 22.70; wire cloth, 12 yds., 3.00; locks, 16.10; sash cord, 3.50; scales, 1 set, 10.65; screws, 8.46; hinges, 1 pr., 5.00	473 51
Allen, S.: Vinegar, 42 gals.	9 84
Bentley, L., M.D.: Exam. of inmates, 16.00; Barrett, C.: Potatoes, 25 bags., 22.25	38 25
Brown, Alex. Milling Co.: (Balce. 1903 flour contract), 10 bbls., at 3.31	33 10
Blade, W. E.: Chapel supplies, books, etc., 55.35; Belle Ewart Ice Co.: Ice, 203.30	258 63
Bertram Engine Works Co.: Repg. boilers, 23.60; Bryant Press: Ptg., staty., etc., 18.50	42 10
Baird, N.: Hauling manure and plowing, 110.00; Brown Bros.: Stationery, 14.20	124 20
Bursar: To pay sundries, 104.27; car tickets, 28.00; allowance in lieu of meals, 17.28; sub., 10.73	160 28
Can. Oil Co.: White lead, 600 lbs., 29.10; turpentine, 5 gals., 4.10; laundry soap, 6 boxes, 12.90; linseed oil, 3½ gals., 16.25; sundries, .60	62 95
Cobban Mfg. Co.: Moulding, 10.80; Cameron, L. K.: Paper & staty., 79.03	89 83
C. P. Industries: Shoes, 221 prs., 254.75; petticoating, 134 yds., 80.40; flannel, 35 yds., 21.00; yarn, 229 lbs., 84.70; blankets, 302 lbs., 11.430; sundries, 52.29; trousers, 15 prs., 75.63; plants, (600), 30.00; overcoats, 59.00; clothing, 182.55; bed, 7.50; horseshoeing, 12.66	976 18
Crawford, Jas.: Rolled oats contract, 16 bbls., at 4.00	64 00
Cowan, R. G.: Tea, 210 lbs., 36.75; Coleman Bros.: Repg. vehicles, 14.00	50 75
City Dairy Co.: Milk, 517.92; Consumers Gas Co.: Gas, 1,058.62	1,576 54
Coleman, C. W.: Repg. & cleaning clocks, 28.25; Crow, T. A.: Delivery sleigh, 42.00	70 25

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ANDREW MERCER REFORMATORY FOR FEMALES.— *Continued.*

EXPENSES.—*Continued.*

Cullen, T.: Wages assisting gardener, 365.50; Corkery, M. J.: Wages assisting gardener, 286.00	651 50
Doyle, The M. Fish Co.: Fish, 167.23; Dougan, D.: Potatoes, 15 bags, 15.00	182 23
Dunn, J. R.: Straw, 2,730 lbs., 15.51; hay, 3-330 tons. 31.85	47 36
Domestic Mfg. Co.: Soap, 11.18; East India Tea & Coffee Co.: Coffee, 175 lbs., 35.00	46 18
Eaton, T. Co.: Sundry furnishings, 5.72; hats, 16.99; raincoat, 5.00	27 71
Elliott, M.: Christmas fund for Refuge, 25.00; car tickets, 6.00; trav. exps. attending convention, 100.00; grant to library, (Refuge), 25.00; sundries, 9.35	165 35
Eby, Blain Co.: Salt, 7 bbls., 10.50; soap. 2.89; prunes, 200 lbs., 13.00; figs. 130 lbs., 5.10; canned vegetables, 34 doz. cans. 38.60; ldry. starch, 203 lbs., 10.46; sal soda. 3.750 lbs., 37.50; syrup, 2,712 lbs.. 81.36; matches, 3 cases, 9.30; sugar, 4.940 lbs., 227.19; beans, 7½ bus.. 13.08; blueing, 43 lbs., 8.16; sundries, 12.15; mustard, 3.24; pearline, 1 case, 3.90; extracts. 1 doz., 4.00; salmon. 4 doz.. 7.20; raisins. 131 lbs., 10.76; baking powder, 4.50; cod fish, 1 case, 6.50; pot barley, 2.75; table salt, 1 bbl., 3.00	515 14
Fletcher Mfg. Co.:Speaking tubes. 6.32; Fleischmann & Co.: Yeast. 25.48	31 80
Fane, F. M.: Services temporary attendant. 121.00; Falls, A.: Services. 7.50	128 50
Fotheringham, D.: Inspection of Refuge for 1904	40 00
Graham, A.: (Balce 1903 rolled oats contract), 2 bbls., at 5.00	10 00
Graham, R. H.: (Balce. 1903 potato contract), 15 bus., at .74	11 10
Gowans, Kent & Co.: China, glassware, etc., 51.58; chambers. 1 doz., 3.20; fruit jars, 6.13	60 91
Gurney Foundry Co.: Oven burners & grates. 7.15; Goodfellow, J.: Cab hire. 23.25	30 40
Griffin, P.: Cab hire. 7.25; *Globe* Ptg. Co.: Subs.. 10.00	17 25
Hunter, R.: Purchase of meat, 1,338.03; Harris. The E. Co.: Paints & oils, 8.35	1,346 38
Hamilton, W. B. Shoe Co.: Boots & shoes, 24 prs.. 38.40; laces, 1 gro., 2.75	41 15
Hutchinson, T.: Painting & paper, 41.10; Hewitt, W.: Postage stamps & cards, 70.00	111 10
Hendry, F.: Straw, 3.93; apples, 4 bbls., 6.75	10 68
Heffron, J. J. & Co.: Mattresses (15), 33.00; hair, 5 lbs.. 2.50	35 50
Institution for Deaf & Dumb: Boots & shoes, 36 prs.	37 80
Johnston, J. A. & Co.: Drugs & chems., 32.41; Jones & Moore Co.: Electrical fittings, 8.50	40 91
Junor, Wm.: Soup toureen, 11.65; bowls, 2 doz.. 4.90; cups & saucers. 1 doz., 4.75; cups, 1 doz., 4.75; plates. 2 doz., 5.55; chinaware, etc., 7.70	39 30
Johnson, D.: Repg. locks, 17.75: locks. 57.00; repg. iron door & shutters. 20.00; keys, 3.00	97 75
Kay, Jno. Son & Co.: Carpet sweepers. 9.75; sundries. 26.34; shades (36), 50.42; rugs, 30.00; curtains. 4 prs., 31.00: burlap. 30 yds.. 13.50; linoleum, 37 yds., 50.63; carpet, 73 yds.. 97.04; repg. furniture, 16.10	324 78
Kemp Mfg. Co.: Tinware, etc., 20.04; Long, T. & Bro.: denim. 320 yds.. 44.80	64 84
Lugsdin, Geo. & Co.: Harness repairs, 8.35; waterproof covers. 9.00	17 35
Luke, F. E.: Spectacles, 4 prs., 6.50; sundries. 1.45	7 95
Lawrason, S. F. & Co.: Powder ammonia, 326 lbs.. 19.56; Meincke, C. A.: Ldry. supplies, 10.70	30 26
Murray, W. A. & Co.: Sundry furnishings, 74.47; boots, 4.00; rugs, 117.60 denim, 22 yds., 7.70	203 77
Meadows, Geo. B. Co.: Wire guards. 6.10; My Optician: Spectacles. 9.00	15 10
Morrison Brass Mfg. Co.: Brass plate. 10.00; pyrometer. 15.00; sundries, 1.06	26 06
Muldoon, J. & Co.: Cement, 2 bbls.. 6.80: lime. 34 bus.. 13.70; fire clay. 1.50	22 00
Morgan, Judge E.: Exam. of inmates, 15.00; Might Directories, Ltd.: Directory, 6.00	21 00
Metropolitan Soap Co.: Laundry soap, 2.439 lbs., 117.48; soap. 1 case, 3.25	120 73
Meyer Bros.: Baskets (6), 16.80; starch, 642 lbs.. 58.10; sundries. 1.60	76 50
Musselman, J.: Buffalo robe. 25.00; Mail Ptg. Co.: Subs.. 12.00	37 00
Musselman, N.: Services tempy. messenger, 25.20; Miles. J. B.: Services as guard, 6.00	31 20
Macdonald, Jno. & Co.: Vests (7), 15.75; butter cloth, 139 yds., 5.56; rugs, 10.25; print, 587 yds., 56.50; shirting, 531 yds.. 59.45: lace. 3 yds.. 3.00; combs, 6 doz., 4.50; cretonne, 34 yds. 5.95; sheeting, 370 yds., 68.47; spools. 6½ gro.. 35.10; denim, 565 yds.. 92.49; curtains, 4 prs., 22.00: cotton, 1,832 yds.. 155.63; pique. 101 yds.. 17.20: crash. 55 yds.. 5.55; hose. 4.50: lining, 47 yds., 4.68; linen. 58 yds., 13.40; gingham. 294 yds.. 36.94; pins. 6.20; towels, 12 doz., 7.50; canvas. 50 yds., 5.00; towelling. 182 yds., 22.79; sundries, 39.60; handkerchiefs, 11 doz., 11.00; warp, 6.60; flannel. 61 yds.. 4.58; ticking. 61 yds., 7.07	727 26
McLaughlin, M. & Co.: Flour contract. 60 bbls., at 3.60. 216.00; (.16 additional) 117½ bbls., at 3.76. 441.80; pastry flour, 7½ bbls.. 30.00	687 80
Nelson, H. W. & Co.: Scrubs. 5 doz., 5.05; sundries. 23.35; baskets, ½ doz., 4.63: combs, 24.98; brooms, 7 doz., 16.70	74 71

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

ANDREW MERCER REFORMATORY FOR FEMALES.— *Concluded.*

EXPENSES.—*Concluded.*

Nichol, W. J. & Co.: Tea, 111 lbs .. 21 09
O'Sullivan, Jno.: Installing electric bells, etc. .. 13 35
O'Sullivan, Emma: Balce. *re* table allowance, 317.71; allowance *re* furniture and furnishings, 83.30; car tickets, 18.00; Christmas decorations, 5.00; incidentals, 5.93; trav. exps., 7.15; trav. exps. attending convention, 116.20 .. 555 29
Perfection Heating Co.: Gas burners (2), .. 9 00
Prisoners' Aid Association: Cab hire *re* religious services .. 250 00
Ryan, The Wm. Co.: (Balce. 1903 butter contract), 281 lbs., at .18, 50.58; split peas contract, 1½ bbls., at 4.85, 7.28; lard, 311 lbs., 30.58; bacon, 946 lbs., 125.83; eggs, 381 doz., 91.14; poultry, 20.22; pork, 225 lbs., 16.96; haddie, 2.40; potatoes, 37 bags, 42.20; sundries, 6.91 .. 394 10
Rutherford, Marshall & Co.: Butter contract, 3,476½ lbs., at 16¾, 582.32; sundries, 1.92; 584 24
Robertson, The Jas. Co.: Castings, 21.20; Rees, The Chas. F. & Co.: Heat deflector, 6.00 27 20
Rice, Lewis & Son: Tubes, 10.05; sheet brass, 2.68 .. 12 73
Rush, J.: Potatoes, 25 bags., 25.00; fruit & vegetables, 49.10; apples, 3 bbls., 5.00.... 79 10
Revell, F. H. Co.: Songs & solos, 8.80; Rennie, Wm.: Seeds, bulbs, etc., 84.72 ..... 93 52
Rogers Furniture Co.: Repg. furniture, 6.10; Ross & Cowan: Tea, 80 lbs., 14.00 .... 20 10
Rogers, Elias Co.: (Balce. 1903 coal contract), 63-350 tons, at 5.95, 320.69; soft screenings, 102-1250 tons, at 3.95, 405.37; 1904 contract, run of mine, 519-1020 tons, at 3.70, 1,922.19; stove, 75-540 tons, at 6.00, 451.62 .. 3,099 87
Rochester Lamp Co.: Burners, 2 doz., 9.55; mantles, lamps, etc., 18.25.. ..... 27 80
Swan Bros.: Candies, 25 lbs., 2.00; nuts, 20 lbs., 3.00; baking powder, 4 doz., 12.00; salt, 2 bbls., 3.20; prunes, 150 lbs., 9.75; canned vegetables, 8 doz., 9.30; maple syrup, 5 tins, 6.55; tea, 100 lbs., 18.00; sugar, 305 lbs., 12.88; sundries, 160.68 243 36
Snow, R. B.: Apples, 14 bbls., 23.75; oranges & lemons, 13.86; poultry, 5.74; sundries, 63.07; eggs, 362 doz., 73.53; berries, 34.83; lard, 10 lbs., 1.20; cherries, 7.70; plums, 4.40; peaches, 8.80 .. 256 98
Stewart & Wood: Paints & oils, 47.45; Steinberger, Hendry Co.: School supplies, 52.46 99 91
Sundry persons: Wages carpenters, laborers, etc., *re* repairs:—Wm Smith, 75.00; J. Ruthven, 73.80; J. Musselman, 50.00; E. Kennedy, 243.50; N. Musselman, 53.02; T. Hutchinson, 32.10 .. 527 42
Sundry newpapers:: Advertising re supplies, 25.36; re fuel, 35.12 ..... 60 48
Simpson, The R. Co.: Boots, 1 pr., 4.00; hat, 2.50; raincoat, 7.95 ..... 14 45
Sparrow, Geo. & Co.: Radiator brushes, 3.75; pots, 9.50; grate bars, 5.00; coffee pots (2), 8.00; tinware sundries, 8.70 ..... 34 95
Smith, J. B. & Sons: Lumber, 46.59; Saunders, W. E. & Co.: Drugs & chems., 147.57 194 16
Singer Mfg. Co.: Sewing machines (2), 60.00; Stevens & Stubb: Repg. brick work, 44.00 104 00
Shea, James: Curtains, 2 prs., 9.00; curtain net, 16 yds., 8.00; pique, 306 yds., 45.98; dress goods, 69 yds., 40.64; towelling, 330 yds., 56.10; gingham, 351 yds., 63.22 222 94
St. Michael's Cathedral: Cab hire re religious services .. 100 00
Taylor, Jno. & Co.: Ldry. soap, 4,500 lbs., 177.27; Toronto Elect. Light Co.: Electric light, 133.65 .. 310 92
Terry, F. G. Co.: Mortar, 6.00; Toronto Carpet Mfg. Co.: Carpets & rugs, 99.77 105 77
Toronto Cabinet Co.: Repg. & upholstering furniture, 119.25; *Toronto Ry. & Steamboat Guide*: Sub., 5.20 .. 124 45
United Typewriter Co.: Typewriter .. 111 00
United Factories: Asst'd brushes, 8.28; sundries, 12.91; brooms, 4½ doz., 5.04; baskets, 1½ doz., 15.49; scrubs, 6 doz., 13.68 .. 55 40
Vance & Co.: Potatoes, 142½ bushels .. 104 50
Watkins, J. H. & Co.: Bruised oats, 5,200 lbs., 65.80; bran, 1,300 lbs., 13.25; sundries, 2.50; hay, 2,055 lbs., 13.38 .. 94 93
Wheeler & Bain: Iron, tinware, etc., 45.19; dish pans (2), 3.50; garbage cans (2), 5.00 53 69
Warwick Bros. & Rutter: Ptg., staty., etc., 62.90; Waterworks Dept.: Water, 399.36 462 26
Webster, H.: Hay, 3,000 lbs., 16.50; Wells, Josephine: Dentistry, 97.25 ..... 113 75
Wheeler, R.: Reward for capturing eloper .. 10 00
Sundry persons: Accounts unenumerated under 10.00 .. 67 36

Total Public Institutions Maintenance $950,434 04

COLONIZATION. ($7,234.31.)

Services as guide to intending settlers:—
B. W. Loverin, 6.00; R. Botham, 5.00; H. Moore, 10.00; E. Brinklow, 14.00; G. G. Hughes, 32.00; P. Gaudette, 2.00; C. Newton, 18.00; E. Siche, 24.00; J. Stewart, 2.00; S. Morang, 34.00; W. W. Shinkle, 6.00; A. Babcock, 3.00; C. H. Jones, 28.00; W. H. Silver, 2.00; P. Laverdure, 16.00; A. Cole, 4.00; C. Neve, 2.00; A. Snider, 4.00; J. Nolan, 8.00; T. McDonald, 25.00; E. Cornell, 21.00; A. S. Watson, 14.00; S. D. Jenks, 10.00; I. Jenkins, 74.00; A. A. Ritz, 12.00; A. J. Gardiner, 16.00; Alex. Skene, 2.00; A. McKerse, 4.00; M. A. Anderson, 4.00; H. Jeffs, 2.00; J. D. Aaron, 2.00; J. Potras, 6.00; M. T. Boyle, 14.00; E. Wicklem, 12.00; G. Walford, 5.00; J. Hazzard, 4.00; E. Williams, 6.00; N. Plaunt, 4.00; J. Reed, 4.00; B. J. Bothwell, 12.00; J. H. Boyd, 11.00; J. Sage, 8.00; R. Clarke, 8.00; C. Baker, 10.00; J. Peelow, 2.00; S. McChesney, 10.00; A. Miniely, 2.00; J. Louttit, 2.00; A. F. L. Gibson, 6.00; W. J. Bailey, 36.00; R. H. Clarke, 6.00; W. McKeown, 3.00; W. J. Crawford, 6.00; C. Prouty, 45.00; J. Martin, 6.00; G. W. Roach, 34.00 .. 670.00

J. M. Grant: Services re articles for press .. 60 00

Port Arthur *Chronicle*: 4,000 copies New Ontario, etc. .. 161 00

Copp, Clarke Co.: 25,000 maps of Ontario, 410.00; F. Smiley: 400 copies *Summer Resort Guide*, 100.00 .. 510 00

Rose Pub. Co.: 4,000 copies *Summer Resort Guide*, 400.00; Steinberger, Hendry Co.: Map of Ontario, 5.00 .. 405 00

Advertising:—Sundry newspapers and periodicals, 491.48; *Saturday Night*, 200.00; Murdock Advertising & Pub. Co.: 50.00; Canadian Press Assn., 200.00; *Canadian Military Gazette*, 100.00; *Commercial Canada*, 30.00; *Sons of Temp. Record*, 70.00; *Can. Am.*, 332.00; *Toronto Christmas Mag.* 50.00; McMaster University, 10.00; *Western British Amer.* 332.00; *Farming World*, 198.20; *Curlers Annual*, 10.00; *London Echo*, 25.00; *'Varsity*, 15.00; C. L. Barker, 15.00; *Acta Victoriana*, 25.00; *Can. Kalendar*, 25.00; *Pioneer*, 25.00; Y. M. C. A., 10.00; *O.A.C.Review*, 17.50; *Can. Freeman*, 65.00; *Presbyterian*, 109.00; *Westminster*, 46.00; *Catholic Directory*, 20.00; *Farming Advocate*, 233.55; *University Alumni*, 20.00; *Can. Farmer*, 108.00; *Engineering Society*, 8.00; *Can. Churchman*, 75.00; *Annual Review*, 100.00; *Queen's Quarterly*, 50.00; *Globe* Printing Co., 700.00; *Independent Order of Foresters*, 262.50 .. 4,028 23

Temiscaming Gazette: Printing, 2.50; Der Nor'western Pub. Co.: Printing, 30.00 32 50

Warwick Bros. & Rutter: Printing & binding report, etc., .. 497 30

L. K. Cameron: Stationery, 55.00; paper, 23.18; A. W. Pringle: Views, 8.25 .. 86 43

Queen's Quarterly Pub. Com.: Half tones, cuts, etc., 5.00; Park & Co.: Photos, 27.00 32 00

Rex Studio: Photo supplies, 43.40; J. G. Ramsey & Co.: Photo supplies, 6.40 .. 49 80

Galbraith Photo Co.: Photo supplies, 2.66; J. Warren: Envelope sealing mach., 20.00 22 66

C. P. R. Telegraph Co.: Telegrams, 34.97; G. N. W. Telegraph Co.: Telegrams, 38.76 73 73

C. W. Irwin: Duty, freight & brokerage, 6.55; Dominion Express Co.: Charges, 23.85 30 40

Can. Express Co.: Charges, 3.04; Wright Cartage Co.: Cartage, .50 .. 3 54

Industrial Exhibition:—
J. B. Smith & Sons: Lumber, etc., 40.61; Aikenhead Hardware Co.: Hardware, 7.45 48 06
T. Eaton Co.: Decorations, 65.06; Matthews Bros.: Framing pictures, 5.30 .. 70 36
J. F. Cooke: Negatives, 10.00; Geo. Booth & Son: Card signs, 10.50 .. 20 50
Mail Printing Co.: Cards, folders, etc., 41.50; A. Boyes: Building benches, etc., 5.00 46 50
Wright Cartage Co.: Cartage, 8.50; Dominion Express Co.: Charges, 104.30 112 80
J. Roberton: Services at 2.00 per day, 30.00; W. Robertson: Services at .25 per hour, 12.00 .. 42 00
J. Roberton: To pay meals for assistants, 17.50; car tickets, etc., 4.00 .. 21 50
Grains, grasses, etc.: J. D. McKenzie, 60.00; R. McKenzie, 87.00 .. 147 00

James Eadie: Cleaning Colonization House, 12.80; Boyd, Caldwell & Co.: Blankets and express, 32.65 .. 45 45

A. J. Gold: Fare to Dryden, 12.00; G. T. Ry. Co.: Fare, Mrs. Fitzgibbon to Whitby, 2.20 14 20

H. E. Kyle: Trav. expenses .. 3 35

IMMIGRATION. ($12,655.63.)

G. T. Railway Co.: Rent of office, Union Station .. 300 00

John Lennox: Cleaning office, 72.00; R. Verity: Services at 2.00 per day, 96.00 .. 168 00

A. J. Reading: Lantern slides New Ontario, for lecturing in England .. 13 85

T. Eaton Co.: Office chairs and table, 42.20; Might Directories: Directory, 6.00; Map of Toronto, 1.25 .. 49 45

IMMIGRATION.—*Concluded.*

International Railway Guide: Sub. 1.92; C. Gripton: Rubber stamp repairs, 1.75		3 67
G. N. W. Telegraph Co.: Telegrams, 104.56; C. P. R. Telegraph Co.: Telegrams, 60.20		164 76
Bell Telephone Co.: Messages, 29.30; G. T. Railway: Carriage of immigrants, 3,286.51		3,315 81
C. P. Ry: Carriage of immigrants, 586.52; C. W. Irwin: Ft. charges, brokerage, etc., 11.00		597 52
Duggan Bros.: Cartage, 37.00; R. Gray: Cartage, 3.00; Can. Express Co.: Charges, .30		40 30
Toronto Ry. Co.: Car tickets, 20.00; Kelly Bros.: Provisions for immigrants, 3.00		23 00
Meals for immigrants: P. E. Callon, 1,083.00; Geo. Irwin, 26.05; J. O'Sullivan, 4.00		1,113 05
Dr. P. W. O'Brien: Medical services for child, 5.00; A. W. Miles: Burial services of child, 15.00		20 00
St. Michael's Hospital: Maintenance of immigrant 13-7 weeks		5 00
Mrs. Schafluer: Rent of room for indigent immigrant		4 50
Salvation Army: Accountable warrant placing immigrants, 600.00; grant for immigration purposes, 400.00		1,000 00
Toronto District W. C. T. U.: Grant for immigration purposes		100 00
Mail Printing Co.: Subscription, 4.00; Globe Printing Co.: Subscription, 9.00		13 00
H. E. Kyle: Services in England to June 10th, at 75.00 per month	525.00	
travelling expenses and disbursements	420.22	
	945.22	
Less advanced: 1903, 500.00; 1904, 200.00; from P. Byrne, 121.50	821.50	
		123 72
Allowance five months to November 11th for immigration services, 100.00; Accountable warrant, 500.00		600 00
Liverpool Agency:—		
P. Byrne: Twelve months salary and allowance as agent	2,355.59	
E. A. Byrne: do do as clerk	598.04	
P. Byrne: To pay travelling expenses self and staff	163.51	
Advertising printing and contingencies	831.11	
Office rent expenses, fuel, stationery, etc.	832.16	
Travelling expenses of H. E. Kyle	121.11	
Allowance towards expenses visit to Canada	299.08	
Cash on hand to be accounted for	475.05	
	5,675.65	
Less cash on hand January 1st, 1904	874.29	
net interest allowed by Bank	1.07	
	875.36	
Add difference in exchange	.29	875.65
)		4,800 00

AGRICULTURE.

GRANTS TO DISTRICT SOCIETIES, ($76,071.34).

G. C. Creelman: One months' salary as Superintendent of Agricultural Societies	83 34
Addington District, 380.00; Camden, E., 140.00; Hinchinbrook, 138.00; Kennebec, 92.00; Sheffield, 50.00	800 00
Algoma East District, 380.00; Day, Well & Bright additional, 33.00; Laird, 58.00; Gladstone, Bright and Thompson, 36.00; Johnston and Aberdeen, 52.00; Plummer additional, 107.00; St. Joseph's Island, 57.00; Thessalon, 77.00	800 00
Algoma West District, 660.00; Oliver, 140.00;	800 00
Brant North District, 660.00; Onondaga, 140.00	800 00
Brant South District and Burford, 520.00; Brantford Horticultural, 140.00	660 00
Brockville District	800 00
Bruce Centre District, 380.00; Elderslie, 51.00; Greenock, 66.00; Huron, 70.00; Kincardine S., 70.00; Chesley Horticultural, 56.00; Kincardine Horticultural, 60.00; Paisley Horticultural, 47.00	800 00
Bruce North District, 380.00; Amabel and Albermarle, 74.00; Arran, 62.00; Bruce, 74.00; Eastnor, 42.00; Saugeen, 27.00; Port Elgin Horticultural, 47.00; Tara Horticultural, 30.00; Tiverton and North Kincardine, 64.00	800 00
Bruce, South District, 380.00; Carrick, 111.00; Culross, 102.00; Kinloss, 111.00; Walkerton Horticultural, 96.00	800 00

AGRICULTURE.—*Continued.*

GRANTS TO DISTRICT SOCIETIES.—*Continued.*

Cardwell District, 450.00; Albion and Bolton, 140.00; Caledon, 140.00; Tecumseh, 70.00	800 00
Carleton District, 472.00; Fitzroy, 126.00; Huntley, 126.00; March, 76.00	800 00
Cornwall District	350 00
Dufferin District, 396.00; Luther East, 140.00; Melancthon, 138.00; Orangeville Horticultural, 126.00	800 00
Dundas District, 380.00; Matilda, 140.00; Mountain, 140.00; Winchester, 140.00	800 00
Durham East District, 380.00; Cavan, 127.00; Hope, 134.00; Millbrook Hort'l, 69.00; Port Hope Horticultural, 90.00	800 00
Durham West District, 380.00; Cartwright, 112.00; Clarke, 112.00; Darlington, 111.00; Bowmanville Horticultural, 85.00	800 00
Elgin East District, 380.00; Bayham, 71.00; Dorchester South, 67.00; Malahide, 72.00; Yarmouth, 71.00; Aylmer Horticultural, 72.00; Springfield Horticultural, 67.00	800 00
Elgin West District, 520.00; Aldborough, 140.00; Southwold, 140.00	800 00
Essex North District, 380.00; Maidstone and Sandwich, E., 105.00; Tilbury N. & W., 105.00; Rochester and Maidstone, 105.00; Windsor, Sandwich and Walkerville Hort'l., 105.00;	800 00
Essex South District, 380.00; Anderdon and Malden, 96.00; Colchester N., 95.00; Colchester South, 96.00; Mersea, 95.00; Leamington Horticultural, 37.00	800 00
Frontenac District, 390.00; Kingston Tp., 117.00; Longhboro and Portland, 79.00; Storrington, 74.00; Wolfe Island, 140.00	800 00
Glengarry District, 427.00; Charlottenburg, 140.00; Kenyon, 140.00; Lancaster, 93.00	800 00
Grenville South District, 520.00; Edwardsburg, 140.00; Cardinal Horticultural, 140.00	800 00
Grey East District, 380.00; Artemesia, 70.00; Collingwood, 63.00; Euphrasia, 70.00; Holland, 58.00; Osprey, 70.00; Proton, 58.00; Thornbury Horticultural, 31.00	800 00
Grey North District, 380.00; Derby, 91.00; Keppell, 74.00; St. Vincent, 36.00; Sullivan, 90.00; Sydenham, 91.00; Owen Sound Horticultural, 38.00	800 00
Grey South District, 380.00; Bentinck, 91.00; Egremont, 78.00; Glenelg, 94.00; Normandy, 98.00; Durham Horticultural, 59.00	800 00
Haldimand District, 380.00; Rainham and S. Cayuga, 98.00; Seneca and Oneida, 108.00; Walpole, 107.00; Cayuga Horticultural, 107.00	800 00
Halton District, 380.00; Esquesing, 95.00; Nassagaweya, 95.00; Trafalgar, 95.00; Nelson and Burlington, 83.00; Oakville Horticultural, 52.00	800 00
Hamilton District	350 00
Hastings Centre District, 439.00; Marmora, 140.00; Wollaston, 134.00; Sterling Horticultural, 87.00	800 00
Hastings East District, 437.00; Hungerford, 140.00; Tyendinaga, 127.00;	
Hastings North District, 300.00; Bangor, Wicklow, Monteagle and Herschel, 66.00; Dungannon and Faraday, 84.00	450 00
Hastings West District, 660.00; Belleville Horticultural, 140.00	800 00
Huron East District, 380.00; Grey, 131.00; Howick, 94.00; Morris, 130.00; Thornberry, 65.00	800 00
Huron South District, 380.00; Hay, 88.00; Stanley, 88.00; Tuckersmith, 89.00; Stephen and Usborne, 89.00; Seaforth Horticultural, 66.00	800 00
Huron West District, 380.00; Ashfield and Wawanosh, W., 106.00; Thornbury, 54.00; Clinton Horticultural, 64.00; Goderich Horticultural, 103.00	707 00
Kent East District, 380.00; Camden, 83.00; Harwich, 112.00; Howard, 112.00; Orford, 113.00	800 00
Kent West District, 396.00; Chatham, Dover and Wallaceburg, 125.00; Raleigh, 139.00; Romney, 140.00	800 00
Kingston District: Kingston Horticultural	140 00
Lambton East District, 380.00; Bosanquet, 82.00; Brooke and Alvinston, 82.00; Euphemia and Dawn, 32.00; Plympton and Wyoming, 82.00; Warwick, 82.00	740 00
Lambton West District, 380.00; Enniskillen and Petrolea, 115.00; Moore, 114.00; Sarnia Tp., 66.00; Sombra, 78.00; Euphemia and Dawn, 47.00	800 00
Lanark North District, 384.00; Dalhousie, 140.00; Lanark Tp., 106.00; Packenham, 100.00; Lanark Horticultural, 70.00	800 00
Lanark South District, 380.00; Bathurst, 77.00; Drummond, 65.00; Sherbrooke S., 64.00; Perth Horticultural, 112.00; Smiths Falls Horticultural, 102.00	800 00
Leeds and Grenville North District, 430.00; Elmsley South, 90.00; Kitley, 140.00; Oxford, 140.00	800 00
Leeds South District, 414.00; Crosby North, 119.00; Lansdowne, 140.00; Rear of Leeds and Lansdowne, 127.00	800 00
Lennox District, 396.00; Amherst Island, 133.00; Ernestown, 131.00; Napanee Hort'l, 140.00	800 00
Lincoln District, 380.00; Clinton, 86.00; Grantham, 86.00; Grimsby North, 42.00; Grimsby South, 86.00; Louth, 51.00; Grimsby Horticultural, 38.00; St. Catharines Horticultural, 31.00	800 00
London District, 210.00; London Horticultural, 140.00	350 00

AGRICULTURE.—*Continued.*

GRANTS TO DISTRICT SOCIETIES.—*Continued.*

Manitoulin District, 383.00; Assiginack, 140.00; Billings, 71.00; Campbell and Providence Bay, 118.00; Howland, 88.00	800 00
Middlesex East District, 380.00; Dorchester, N., 123.00; London Tp., 122.00; Nissouri West, 123.00; Westminster, 52.00	800 00
Middlesex North District, 380.00; Adelaide, 103.00; Lobo, 102.00; McGillivray, 54.00; Williams East, 59.00; Williams West, 102.00	800 00
Middlesex West District, 380.00, Caradoc, 84.00; Delaware, 84.00; Metcalfe, 84.00; Ekfrid and Mosa, 84.00; Strathroy Horticultural, 84.00	800 00
Monck District, 380.00; Caistor, 96.00; Canboro, 37.00; Moulton, 96.00; Pelham, 96.00; Wainfleet, 95.00	800 00
Muskoka North District, 450.00; Cardwell and Humphry, 70.00; Stisted, 140.00; Stephenson, 140.00	800 00
Muskoka South District, 380.00; McLean, 51.00; Medora and Wood, 109.00; Morrison, 124.00; Muskoka and Gravenhurst, 136.00	800 00
Niagara Town and Township District	350 00
Nipissing East District, 520.00; Bonfield, 140.00; Ferris, 140.00	800 00
Nipissing West District, 550.00; Widdifield, 250.00	800 00
Norfolk North District, 380.00; Middleton, 119.00; Townsend, 118.00; Windham, 118.00; Simcoe Horticultural, 65.00	800 00
Norfolk South District, 380.00; Charlotteville, 120.00; Houghton, 120.00; Walsingham North, 120.00; Port Dover Horticultural, 60.00	800 00
Northumberland East District, 380.00; Brighton, 95.00; Cramahe, 95 00; Murray, 78.00; Percy, 57.00; Seymour, 95.00	800 00
Northumberland West District, 520.00; Alnwick, 140.00; Cobourg Horticultural, 140.00	800 00
Ontario North District, 380.00; Brock, 74.00; Mara, 74.00; Scott, 52.00; Scugog, 75.00; Thorah, 73.00; Uxbridge, 72.00	800 00
Ontario South District	800 00
Ottawa District	350 00
Oxford North District, 380.00; Blandford, 33.00; Blenheim, 91.00; Nissouri East, 72.00; Zorra East, 75.00; Zorra West and Embro, 91.00; Woodstock Horticultural, 58.00	800 00
Oxford South District, 380.00; Dereham, 78.00; Norwich North, 78.00; Norwich S., 78.00; Oxford E. Tp., 51.00; Oxford N., W. and Ingersoll, 78.00; Tilsonburg Hort'l, 57.00	800 00
Parry Sound East District, 380.00; Chapman, 88.00; McMurrich, 72.00; Machar, 82.00; Perry, 102.00; Strong, 76.00	800 00
Parry Sound North District	350 00
Parry Sound West District, 476.00; Hagerman, Croft, Mackenzie and Ferrie, 122.00; Humphrey and Cardwell, 62.00; McKellar, 140.00	800 00
Peel District, 389.00; Toronto Tp., 140.00; Toronto Gore, 140.00; Brampton Horticultural, 131.00	800 00
Perth North District, 380.00; Easthope N., 44.00; Elma, 94.00; Mornington, 94.00; Listowel and S. Wallace, 94.00; Stratford Horticultural, 94.00	800 00
Perth South District, 380.00; Blanshard, 104.00; Easthope S., 85.00; Fullerton and Logan, 104.00; Hibbert, 66.00; Mitchell Horticultural, 61.00	800 00
Peterboro East District, 380.00; Burlington Horticultural, 47.00; Galway, 119.00; Douro and Dummer, 117.00; Otonabee, 95.00; Peterboro & Ashburnham Hort'l, 44.00	802 00
Peterboro West District, 380.00; Harvey, 107.00; Monaghan S., 116.00; Smith, Ennismore et. al., 139.00; Peterboro and Ashburnham Horticultural, 58.00	800 00
Prescott District, 520.00; Alfred, 140.00; Plantagenet S., 140.00	800 00
Prince Edward District, 380.00; Ameliasburg, 118.00; Sophiasburg, 127.00; Hillier and Hallowell, 106.00; Picton Horticultural, 69.00	800 00
Renfrew N., District, 590.00; Grattan & Wilberforce, 70 00; Ross & Broomley, 140.00	800 00
Renfrew South District, 456.00; Grattan & Wilberforce, 64.00; Radcliffe & Raglan, 140.00; Renfrew Horticultural, 140.00	800 00
Russell District, 386.00; Cambridge, 101.00; Clarence, 104.00; Osgoode, 69.00; Russell Tp., 140.00	800 00
Simcoe East District, 380.00; Matchedash, 102.00; Oro, 100.00; Tiny and Tay, 102.00; Midland Horticultural, 60.00; Orillia Horticultural, 56.00	800 00
Simcoe South District, 386.00; Essa, 65.00; Gwillimbury W., and Bradford, 140.00; Innisfil, 69.00; Tosorontio, 140.00	800 00
Simcoe West District, 380.00; Flos, 63.00; Nottawasaga, 72.00; Vespra, 72.00; Sunnidale, 70.00; Barrie Horticultural, 72.00; Collingwood Horticultural, 71.00	800 00
Stormont District, 396.00; Finch, 140.00; Osnabruck, 140.00; Roxborough, 124.00	800 00
Sudbury District	250 00
Temiscamingue District	380 00

AGRICULTURE.—*Continued.*

GRANTS TO DISTRICTS.—*Concluded.*

Toronto District, 410.00; Toronto Horticultural, 140.00	550 00
Victoria North District, 380.00; Eldon, 126.00; Fenelon, 125.00; Laxton, 79.00; Somerville, 90.00	800 00
Victoria South District, 380.00; Emily, 93.00; Mariposa, 108.00; Ops, 71.00; Verulam, 81.00; Lindsay Horticultural, 67.00	800 00
Waterloo North District, 380.00; Wellesley, 125.00; Woolwich, 125.00; Elmira Horticultural, 46.00; Waterloo Horticultural, 124.00	800 00
Waterloo South District, 380.00; Wilmot, 132.00; Galt Horticultural, 123.00; Hespeler Horticultural, 70.00; Preston Horticultural, 95.00	800 00
Welland District, 380.00; Bertie, 135.00; Stamford, 128.00; Thorold Town and Tp., 93.00; Niagara Falls S. Horticultural, 64.00	800 00
Wellington Centre District, 380.00; Erin, 108.00; Garafraxa W., 81.00; Nichol, 93.00; Pilkington, 47.00; Elora and Salem Horticultural, 48.00; Fergus Horticultural, 43.00	800 00
Wellington South District, 380.00; Eramosa, 109.00; Guelph Tp., 92.00; Puslinch, 110.00; Guelph Horticultural, 109.00	800 00
Wellington West District, 380.00; Arthur, 78.00; Maryborough, 50.00; Minto, 58.00; Palmerston and N. Wallace, 78.00; Peel and Drayton, 78.00; Clifford Hort'l., 78.00	800 00
Wentworth North District, 380.00; Beverley, 140.00; Flamboro E., 140.00; Flamboro West, 140.00	800 00
Wentworth South District, 380.00; Ancaster, 118.00; Binbrook, 118.00; Glanford, 118.00; Saltfleet, 66.00	800 00
York East District, 462.00; Markham, 120.00; Scarboro, 140.00; York & Weston, 78.00	800 00
York North District, 380.00; Georgina & N. Gwillimbury, 121.00; Gwillimbury E., 122.00; King, 121.00; Newmarket Horticultural, 56.00	800 00
York West District, 458.00; Etobicoke, 140.00; Vaughan, 140.00; York and Weston, 62.00	800 00
Special Grants:—	
Algoma East District: Johnston & Aberdeen, 20.00; Day, Wells & Bright add'l 17 00	37 00
Algoma West District: Emo, 140.00; McIrvine and Alberton, 140.00	280 00
Brant South District; Six Nation Indians	100 00
Haliburton District: Cardiff, 60.00; Dysart, *et al*, 140.00; Glamorgan, 66.00; Minden *et al*, 106.00	372 00
Middlesex West District: Chippewa Indians, 50.00; Muncey Indians, 50.00; Oneida Indians, 50.00	150 00
Nipissing West District: Caldwell	140 00
Victoria North District: Rama, Dalton and Ryde	50 00
Broadview Boys' Institute, Toronto	50 00

GRANTS TO ASSOCIATIONS ($30,333.85).

Dominion Cattle Breeders' Association	2,500 00
Dominion Sheep Breeders' do	2,500 00
Dominion Swine Breeders' do	2,500 00
Fruit Growers' Association	1,800 00
Ontario Experimental Union	1,500 00
Canadian Horse Breeders' Association	2,000 00
Eastern Ontario Poultry do	1,000 00
Western Ontario Poultry do	1,000 00
Eastern Ontario Dairymen's do	2,000 00
Western Ontario Dairymen's do	1,350 00
Entomological Society	1,000 00
Beekeeper's Association	500 00
Wm. McEvoy: Services at 4.00 per day as Inspector of Apiaries, 392.00; livery hire, etc., 231.25	623 25
F. A. Gemmill: Services assistant Inspector of Apiaries, 40.00; trav. exps., 20.60	60 60
Western Fair Association: Grant for Dairy Buildings	10,000 00

FARMERS' INSTITUTES ($17,190 34).

Treasurer Farmers' Institutes:—

Addington, 25.00; Algoma, Centre, 25.00; Algoma E., 25.00; Amherst Island, 25.00; Brant N., 25.00; Brant S., 25.00; Brockville, 25.00; Bruce, Centre, 25.00; Bruce N., 25.00; Bruce S., 25.00; Bruce W., 25.00; Carleton, 25.00; Cornwall, 25.00; Dufferin, 25.00; Dundas, 25.00; Durham E., 25.00;

AGRICULTURE.—*Continued.*

FARMERS' INSTITUTES.—*Continued.*

Durham W., 25.00; Elgin E., 25.00; Elgin W., 25.00; Essex N., 25.00; Essex S., 25.00; Frontenac, 25.00; Frontenac C., 25.00; Glengarry, 25.00; Grenville, 25.00; Grey C., 25.00; Grey N., 25.00; Grey S., 25.00; Haldimand, 25.00; Halton, 25.00; Hastings E., 25.00; Hastings N., 25.00; Hastings W., 25.00; Huron E., 25.00; Huron W., 25.00; Huron S., 25.00; Kent E., 25.00; Kent W., 25.00; Lambton E., 25.00; Lambton W., 25.00; Lanark N., 25.00; Lanark S., 25.00; Leeds and Grenville, 25.00; Leeds S., 25.00; Lennox, 25.00; Lincoln, 25.00; Manitoulin E., 25.00; Manitoulin W., 25.00; Middlesex E., 25.00; Middlesex N., 25.00; Middlesex W., 25.00; Monck, 25.00; Muskoka C., 25.00; Muskoka N., 25.00; Muskoka S., 25.00; Nipissing W., 25.00; Norfolk N., 25.00; Norfolk S., 25.00; Northumberland E., 25.00; Northumberland W., 25.00; Ontario N., 25.00; Ontario S., 25.00; Oxford N., 25.00; Oxford S., 25.00; Parry Sound E., 25.00; Parry Sound W., 25.00; Peel, 25.00; Perth N., 25.00; Perth S., 25.00; Peterborough E., 25.00; Peterborough W., 25.00; Prescott, 25.00; Prince Edward, 25.00; Renfrew N., 25.00; Renfrew S., 25.00; Russell, 25.00; Simcoe C., 25.00; Simcoe E., 25.00; Simcoe S., 25.00; Simcoe W., 25.00; Stormont, 25.00; St. Joseph Isl., 25.00; Victoria E., 25.00; Victoria W., 25.00; Waterloo N., 25.00; Waterloo S., 25.00; Welland, 25.00; Wellington C., 25.00; Wellington E., 25.00; Wellington S., 25.00; Wellington W., 25.00; Wentworth N., 25.00; Wentworth S., 25.00; York E., 25.00; York S., 25.00; Union, 25.00..... 2,400 00

Treasurer Women's Institutes:—

Amherst Island, 10.00; Brant N., 10.00; Brant S., 10.00; Bruce Centre, 10.00; Bruce S., 10.00; Bruce W., 10.00; Carleton, 10.00; Dufferin, 10.00; Durham E., 10.00; Durham W., 10.00; Elgin E., 10.00; Grey C., 10.00; Grey N., 10.00; Grey S., 10.00; Haldimand, 10.00; Halton, 10.00; Hastings E., 10.00; Hastings N., 10.00; Hastings W., 10.00; Huron E., 10.00; Huron S., 10.00; Huron W., 10.00; Kent W., 10.00; Lennox, 10.00; Lincoln, 10.00; Middlesex N., 10.00; Middlesex W., 10.00; Monck, 10.00; Muskoka S., 10.00; Northumberland E., 10.00; Northumberland W., 10.00; Norfolk N., 10.00; Ontario N., 10.00; Oxford S., 10.00; Peel 10.00; Perth N., 10.00; Perth S., 10.00; Peterboro E., 10.00; Peterboro W., 10.00; Renfrew N., 10.00; Simcoe C., 10.00; Simcoe S., 10.00; Simcoe W., 10.00; Union 10.00; Victoria E., 10.00; Victoria W., 10.00; Waterloo, 10.00; Waterloo, S., 10.00; Welland, 10.00; Wellington C., 10.00; Wellington S., 10.00; Wellington W., 10.00; Wellington N., 10.00; Wentworth S., 10.00; York E., 10.00; York W., 10.00 ..... 560 00

G. C. Creelman: One months salary as Superintendent 125 00

G. A Putnam: Ten do do 1,250 00

P. W. Hodgetts: Twelve do Accountant..... ..... 600 00

Services, typewriting, etc:—M. M. Brough, 533.36; A. M. Fox, 428.70; B. W. Elliot, 138.68; A. Kernahan, 25.00; Stanley Malone, 22.00; S. G. Mills, 12.50 ..... 1,160 24

J. Dorman: Services as office boy, 135.02; J. Roberton: Services, 6.00..... 141 02

Services, lecturing at 3.00 per day:—

Mrs. A. Kinney, 87.00; Mrs. C. Campbell, 114.00; Bella Miller, 261.00; Agnes Smith, 138.00; Blanche Maddock, 171.00; Mrs. D. D. McTavish, 102.00; James Sheppard, 165.00; R. H. Field, 39.00; G. R. Cottrelle, 96.00; J. H. Smith, 153.00; T. H. Mason, 180.00; T. G. Raynor, 81.00; H. G. Reed, 171.00; W. F. Kydd, 229.50; H. Jones, 15.00; A. J. Reynolds, 21.00; D. Anderson, 159.00; C. W. Nash, 162.00; J. E. Orr, 66.00; T. H. Race, 114.00; W. C. Shearer, 174.00; W. S. Fraser, 207.00; Erland Lee, 84.00; L. E. Annis, 189.00; J. W. Clark, 153.00; F. A. Sheppard, 120.00; Laura Rose, 93.00; W. Elliott, 141.00; A. E. Sherrington, 150.00; A. Elliott, 54.00; R. Thompson, 150.00; H. Glendinning, 171.00; G. C. Caston, 156.00; Elmer Lick, 54.00; R. S. Stevenson, 117.00; G. H. Hutton, 90.00; F. C. Elford, 126.00; Mrs. E. Torrance, 63.00; A. Gifford, 15.00; J. Gardhouse, 27.00; W. F. Stephen, 48.00; D. Drummond, 42.00; D. Z. Gibson, 39.00; E. C. Drury, 36.00 Emma McBeth, 24.00; Belva Sheppard, 66.00 ..... 5,113 50

Services, lecturing at 2.50 per day:—

C. E. Shearer, 97.50; J. G. Foster, 30.00; R. C. Fowler, 70.00; A. J. Wagg, 100.00; W. E. A. Peer, 87.50; R. F. Holterman, 30.00; E. C. Drury, 85.00; L. D. Gray, 77.50; G. Carlaw, 95.00; J Martin, 17.50; Gertrude Gray, 50.00; Jessie Evans, 37.50; B. Duncan, 47.50; Jessie Hills, 52.50; Isabel Rife, 60.00; T. G. Raynor, 5.00; L. Shuttleworth, 50.00; Mrs. A. E. Dunbreak, 42.50; Mary Bell, 62.50; Gertrude Carter, 55.00; Ethel McLeod, 30.00; Amy Fuller, 57.50 ..... 1,240 00

AGRICULTURE.—*Continued.*

FARMERS' INSTITUTES.—*Continued.*

Dr. A. W. Bell: Services at 4.00 per day 4 00
Jean Joy do lecturing at 3.33 per day 73 33
Travelling Expenses:—
T. H. Race, 100.00; W. S. Fraser, 194.10; J. E. Orr, 121.46; J. W. Clark, 191.15; H. G. Reed, 252.10; Jas. Sheppard, 200.00; W. Elliott, 163.90; A. E. Sherrington, 213.40; G. C. Caston, 211.35; R. S. Stevenson, 158.15; D. Anderson, 224.05; T. H. Mason, 264.50; W. F. Kydd, 361.59; G. H. Hutton, 142.55; Bella Miller, 218.85; F. A. Sheppard, 106.05; R. Thompson, 80.20; H. Glendinning, 182.65; A. J. Reynolds, 33.60; Mrs. A. Kinney, 119.75; Mrs. D. D. McTavish, 128.90; Mrs. E. Cummings, 1.75; Agnes Smith, 137.11; L. Gray, 124.37; Lilian Beam, 4.50; M. M. Brough, 48.25; B. Sheppard, 114.80; Jessie Hills, 10.55; W. E. A. Peer, 14.65; G. R. Cottrelle, 22.35; G. Carlow, 26.55; Elmer Lick, 10.95; F. C. Elford, 7.80; C. E. Shearer, 30.22; A. J. Wagg, 12.25; W. C. Shearer, 7.60; E. C. Drury, 11.60; R. C. Fowler, 12.55; Erland Lee, 5.20; L. C. Annis, 28.11; R. H. Field, 95.80; J G. Foster, 40.00; J. C. Cote, 19.85; C. W. Nash, 32.00; Laura Rose, 100.00; Mrs. C. Campbell, 105.00; Mrs. E. M. Torrance, 110.00; Jean Joy, 90.00; Blanche Maddock, 170.05; G. A. Putnam, 191.98; J. Martin, 6.85; R. F. Holterman, 16.25; H. S. Peart, 5.85; H. H. Dean, 4.90; R. Harcourt, 5.35; J. B. Reynolds, 4.40; A. Gifford, 10.00; A. E. Annis, 125.00; C. A. Zavitz, 1.35; D. Drummond, 107.00; T. G. Raynor, 36.10; L. Shuttleworth, 2.50; G. Barbour, 5.05; H. C. Emerson, 9.00; J. G. Gardhouse, 4.80; J. L. Hilbourn, 9.10; A. Hume, 9.90; D. James, 10.60; T. McMillan, 8.85; J. S. Pearce, 6.75; S. Rennie, 4.70; W. F. Stephen, 14.65; D. M. Wilson, 19.00; J. L. Warren, 3.55; A. C. Hallman, 9.25; P. W. Hodgetts, 1.75; M. De Laporte, 3.90; Mrs. J. S. McTavish, 6.55; Mrs. R. D. Laws, 76.64; Gertrude Gray, 4.85; Mrs. G. Fitzgerald, 3.50; Isabel Rife, 3.15 ..... 5,795 23
Warwick Bros. & Rutter: Printing & binding, 470.60; Marmora Herald: Ptg., 1.75 ..... 472 35
L. K. Cameron: Paper, 15.24; staty., 171.21; W. McMaster: Postage stamps, 60.00 ..... 246 45
Postmaster: Unpaid postage, 6.33; Mrs. Hubertus: Postage stamps, 280.00 ..... 286 33
Mrs. E. Cummings: 114 copies year book, 28.50; *Weekly Sun*: Copies of paper, 15.35 ..... 43 85
National Monthly: Copies, .50; Gazette Pub. Co.: 200 copies export trade, 20.00 ..... 20 50
W. Briggs: Books, 4.15; Bryant Press: Badges, 13.75; copies circulars feed & feeding, 12.00 ..... 29 90
C. Gripton: Stamps and repairs, 4.20; United Typewriter Co.: Supplies, 41.05 ..... 45 25
Canadian Typewriter Co.: Supplies, 135.43; R. E. Walker: Cotton for charts, 4.70 ..... 140 13
Elliott & Co.: Wood alcohol, 2.95; B. Cairns: Wood engravings, 3.00 ..... 5 95
Photos: E. Poole, 15.50; Fraser & Sibley, 2.50; Galbraith Photo Co., 2.00; G. W. Dick, 4.00; T. C. Barber, .60; J. E. Orr, 3.00 ..... 27 60
Dominion Express Co.: Charges, 15.10; Canadian Express Co.: Charges, 25.25 ..... 40 35
Wright Cartage Co.: Cartage, 11.25; Grand Trunk Ry.: Freight charges, 1,37 ..... 12 62
C. P. R. Telegraph Co.: Telegrams, 19.10; G. N. W. Telegraph Co.: Telegrams, 32.66 ..... 51 76
Bell Telephone Co.: Messages, 40.30; Toronto Ry. Co.: Car tickets, 5.26 ..... 45 56
Doane Bros.: Livery hire, 13.00; L. McCready: Services re report, 7.50 ..... 20 50
Articles for report: Robt. Harcourt, 5.00; W. Hunt, 5.00; E J. Zavitz, 5.00; J. B. Reynolds, 5.00; F. C. Harrison, 10.00 ..... 30 00
Cooking utensils: T. Eaton Co., 31.96; Joss & Co., .60; Lyman Bros., .99; Vokes Hardware Co., .64; R. Simpson Co., 6.87 ..... 41 05
East & Co.: Cases for kits 25 50
Subscriptions: *Home Science*, 1.00; ..... *American Agriculturist*, 3.00; *Farmers' Advocate*, 1.50; *Rural New Yorker*, 1.00; *Country Gentleman*, 3.00 ..... 9 50
Poultry Review: Copies for officers, 49.38; National Council Women: Fees, 2.00 ..... 51 38
American Assn. Farmers Inst.: Dues, 5.00; James Dorman: Petty office exps., 1.42 ..... 6 42
Lewis Pearce & Son: Livery hire organizing institutes 17 00
Fruit, Flower and Honey Show:—
L. Shuttleworth: Services as demonstrator, 18.00; Agnes Smith, 24.00; Blanche Maddock, 18.00; W. H. Dempsey, fruit, 5.00; T. Manton: Cut flowers, 1.00; W. J. Sykes: Supplies, 1.90; T. Eaton Co.: Supplies, 2.13; City Dairy Co.: Supplies, .88; Geo. Baxter: Supplies, 3.00; Mrs. Harrison: Washing dishes, 5.00; T. G. Raynor: Trav. expenses, 10.60 ..... 89 51
Industrial Exhibition:—
Alexander & Son: Signs, etc., 19.45; D. Pike Co.: Rent of tent, chairs, etc., 35.00; James Roberton: Arranging tents, 3.00; T. McGillicudy: Reporting conv'n, 15.50;

AGRICULTURE.—*Continued.*

FARMERS' INSTITUTES.—*Concluded.*

Stanley Malone: Disbursements, 1.35; T. G. Raynor: Trav. exps., etc., 5.85; P. W. Hodgetts: Expenses and disbursements, 1.50; J. Dorman: Expenses and disbursements, 2.55	84 20
	20,305 99
Less refunded by Institutes *re* supplementary meetings 1903-4	3,115 65
	17,190 34

INCIDENTALS ($58,752.33)

H. Wade: Twelve months' salary as Registrar of Live Stock	1,500 00
Warwick Bros. & Rutter: Printing and binding reports:— Bulletins, envelopes, etc., 1,556.45; Fruit Growers, 1,200.00; Bureau Industries, 292.00; Farmers' Institutes, 901.80; Pioneer Farm, 3.48; Agriculture, 524.70; Nature Study, 68.79; Entomological, 80.40; Agricultural College, 938.50; Dairy Instruction, 4.50; Fairs, 39.30; Experimental Union, 42.65; Dairymen's Association, 883.80; Beekeeper's Association, 30.70	6,567 07
Riordon Paper Mills: Paper for reports	4,641 22
Firstbrook Box Co.: Packing cases, 20.50; Davis & Henderson: Boxes, 14.00	34 50
Rolph, Smith & Co.: Embossing	6 25
University of Toronto Alumni Association: 100 copies March issue	12 50
L. K. Cameron: Stationery, 1,265.94; paper, 71.69	1,337 63
Postage stamps: W. McMaster, 310.00; Mrs. Hubertus, 275.00	585 00
Engravings, half tones, etc., for reports: Thomson Engraving Co., 24.21; Toronto Engraving Co.: 42.46	66 67
Services mailing reports and bulletins at 2.00 per day:— W. C. Henderson, 120.00; J. O. Reid, 176.00; F. M. Brown, 60.00; T. A. Gormley, 58.00; M. H. Cameron, 32.00; H. H. Ledrew, 22.00; G. J. Goodwin, 108.00	576 00
F. Rightmeyer: Addressing envelopes	170 77
Elliott & Co.: Cabinet, trays, frames, etc., 220.24; C. W. Irwin: Duty & brokerage, 63.25	283 49
T. Lynch: Paste	5 75
Dairy Instruction: Services as Instructor:— Allan McDonald, 700.00; T. B. Code, 700.00; I. Villeneuve, 700.00; R. Rothwell, 700.00; C. W. Norval, 700.00; D. M. Wilson, 700.00; A. H. Wilson, 700.00; F. Singleton, 700.00; Jno. Echlin, 650.0; W. J. Ragsdale, 700.00; S. S. Cheetham, 700.00; R. Elliott, 700.00; J. Buro, 700.00; Peter Nolan, 700.00; Robt. Ireland, 700.00; Geo. Robinson, 700.00; Geo. Bensley, 700.00; Hugh Howie, 700.00; C. A. Publow, 700.00; H. Morton, 700.00; R. T. Gray, 700.00; J. B. Lowery, 700.00; R. W. Ward, 700.00; W. J. Hall, 700.00; Jas. Irwin, 700.00; Jno. H. Scott, 800.00; F. Herns, 800.00; J. R. Burgess, 800.00; W. G. Medd, 800.00; H. Pannell, 525.00; bonus, 166.67; Alex. McKay, 800.00; C. W. McDougall, 600.00; F. Dean, 200.00; J. C. Bell, 400.00	23,341 67
Geo. H. Barr: Eight months' salary as Chief Instructor	1,000 00
G. G. Publow: Seven and one-half do do	937 50
Jessie Gordon: Six and one-half do Secretary	130 00
S. P. Brown: Special services Inspector at 6.00 per visit	149 95
Travelling expenses and disbursements: G. G. Publow, 347.20; G. H. Barr, 262.90; J. C. Bell, 187.54; C. W. McDougall, 180.90; F. Dean, 81.00; J. W. Mitchell, 88.45	1,147 99
C. P. Railway Co.: Freight charges, 3.40; Can. Express Co.: Exp. charges, .25	3 65
F. Nunan: Report books, 73.10; Bryant Press: Report cards, 12.50	85 60
Montreal Herald: Printing instruction cards in French	10 00
Photos of cheese' factories: J. Buro, 2.00; A. B. Munro, 4.00; R. W. Ward, 4.75; Hugh Howey, 3.00	13 75
Agricultural Fairs:—	
H. B. Cowan: Ten months' salary as Superintendent	833 33
Services as typewriter: B. W. Elliott 290.02; Cora Morse, 194.00	484 02
J. Dorman: Services office boy, 148.01; J. Roberton: Services, 6.00	154 01
J. A. Hand: Services, 40.00; trav. expenses, 7.55	47 55
W. H. King: do 28.00; do 10 00	38 00
W. E. Bradwin: do 28.00; W. B. Varley: Reporting convention & meet'g, 35.00	63 00

AGRICULTURE.—*Continued.*

INCIDENTALS.—*Continued.*

Services as Expert Judges:—
J. W. Douglas, 6.00; Lilian Gray, 21.00; J. Rettie, 66.00; A. B. Douglas, 9.00; Jas. Henderson, 30.00; W. J. Bell, 9.00; E. Standish, 87.00; S. Rennie, 9.00; T. R. Reed, 48.00; J. M. McCallum, 51.00; N. A. Milne, 51.00; Jessie Hills, 3.00; D. McKay, 66.00; G. P. Everett, 78.00; Mrs. C. Campbell, 39.00; H. Wright, 15.00; J. E. Brethour, 33.00; A. C. Hallman, 99.00; J. Moffatt, 4.50; Peter Christie, 144.00; W. G. Laidlaw, 48.00; A. W. Smith, 63.00; J. A Cockburn, 27.00; R. H. Harding, 51.00; M. Cumming, 19.50; A. W. Bell, 18.00; J. Massie, 24.00; G. H. Hutton, 51.00; G. E. Day, 3.00; Geo. Gray, 51.00; J. E. Douglas, 64.50; H. G. Reed, 24.00; D. G. Hanmer, 15.00; E. McClurg, 4.50; W. S. Fraser, 6.00; H. N. Gibson, 3.00; Jas. Cromarty, 51.00; G. B. Hood, 87.00; Geo. Pollard, 45.00; G. S. Burkholder, 80.00; G. Thompson, 60.00; J. B. Leslie, 10.00; Rev. S. T. Bartlett, 27.00; G. H. Williams, 27.00; R. J. Gravely, 48.00; J. Ramsay, 48.00; E. Jeffs, 63.00; W. F. Kydd, 63.00; W. R. Elliott, 78.00; E. Parkinson, 51.00; A. S. Elliott, 18.00; Robt. Armstrong, 12.00; R. E. McInstrey, 3.00; J. Donaldson, 18.00; P. Cochrane, 18.00; Mrs. E. M. Torrance, 21.00; J. L. Wilson, 6.00; Wm. Dogherty, 3.00; R. H. Williams, 30.00; Jas. Forsythe, 48.00; W. McNeil, 6.00; W. St. John, 45.00; Jno. Campbell, 27.00; R. McDonell, 39.00; James Snell, 72.00; A. Whitelaw, 54.00; T. Robson, 9.00; E. W. Charlton, 12.00; O. V. Jarvis, 77.50; T. W. Learie, 2.50; J. L. Tolton, 42.00; D. C. Trew, 12.00; M. Stonehouse, 72.00; R. S. Stevenson, 57.00; N. Cosh, 39.00; A. S. Gardhouse, 18.00; W. J. Gardhouse, 18.00; S. N. Culver, 54.00; J. Gardhouse, 60.00; T. H. Mason, 72.00; G. L. Bunnelle, 32.50; A. S. Chisholm, 6.00; W. Elliott, 12.00; T. H. Scott, 18.00; Blanche Maddock, 12.00; R. D. Dundas, 57.00; Alex. McLean, 57.00; R. S. Brooks, 48.00; W. Wright, 18.00; J. H. McDonald, V.S., 5.00; Dom. Commissioner, Agriculture, 20.00; G. Whitelaw, 39.00; Jno. Young, 24.00; Jno. Jackson, 48.00; W. Jones, 6.00; J. Rawlings, 12.00; D. D. Gray, 66.00; T. C. Barber, 84.00; Agnes Smith, 36.00; A. F. McKenzie, 75.00 ..... 3,719 50

Expenses as Expert Judges, etc:—
T. W. Douglas, 4.45; Lilian Gray, 21.45; J. Rettie, 14.20; A. B. Douglas, 9.60; Jas. Henderson, 33.20; W. J. Bell, 4.55; S. Rennie, 12.05; T. R. Reed, 11.25; J. M. McCallum, 13.25; Jessie Hills, 9.00; D. McKay, 94.99; Mrs. C. Campbell, 34.60; A. C. Hallman, 10.10; J. Moffatt, 4.35; P. Christie, 109.45; W. G. Laidlaw, 15.05; M. Cumming, 17.15; A. W. Bell, 5.50; J. Massie, 31.75; W. R. Graham, 4.35; J. Buchanan, 10.55; C. A. Zavitz, 4.45; G. E. Day, 6.95; W. J. Squirrell, 33.54; H. B. Cowan, 301.16; Geo. Gray, 160.50; J. E. Douglas, 128.45; H. G. Reed, 34.90; D. G. Hanmer, 14.55; T. W. Learie, 7.35; E. McClurg, 5.25; H. N. Gibson, 9.90; Jas. Cromarty, 59.40; G. B. Hood, 400.00; Geo. Pollard, 75.00; G. S. Burkholder, 94.55; G. Thompson, 225.00; J. B. Leslie, 10.30; Rev. S. T. Bartlett, 50.00; G. H. Williams, 50.00; R. J. Gravely, 75.00; J. Ramsay, 60.00; E. Jeffs, 165.00; W. F. Kydd, 140.95; W. R. Elliott, 206.15; E. Parkinson, 83.25; Robt. Armstrong, 9.85; R. E. McInstrey, 2.60; J. Donaldson, 16.60; P. Cochrane, 15.70; Mrs. E. M. Torrance, 15.50; J. L. Wilson, 9.00; W. Dogherty, 2.00; R. H. Williams, 60.50; Jas. Forsythe, 11.75; W. McNeill, 3.10; W. St. John, 43.52; Jno. Campbell, 43.45; R. McDonell, 16.25; A. Whitelaw, 11.90; T. Robson, 5.90; E. W. Charlton, 9.35; O. V. Jarvis, 80.30; D. C. Trew, 9.25; M. Stonehouse, 67.90; R. S. Stevenson, 12.90; N. Cosh, 8.20; W. J. Gardhouse, 12.20; S. N. Culver, 25.80; J. Gardhouse, 153.00; T. H. Mason, 265.60; G. L. Bunnelle, 51.95; A. S. Chisholm, 13.95; W. Elliott, 25.60; T. H. Scott, 20.55; Blanche Maddock, 7.85; R. D. Dundas, 15.30; Alex. McLean, 150.25; R. B. Faith, 25.00; R. S. Brooks, 130.60; W. Wright, 21.05; G. Whitelaw, 15.00; W. Jones, 3.40; J. Rawlings, 10.95; T. C. Barber, 120.30; Agnes Smith, 46.85 ..... 4,443 16

A. F. McKenzie: Trav. expenses and photo supplies 149 76

Bryant Press: Index forms, programs, etc., 26.25; Can. Typewriter Co.: Supp. 19.13 ..... 45 38

United Typewriter Co.: Typewriters (2), 230.00; supplies, 74.25 ..... 304 25

F. W. Hodson: Stereopticau for illustrating address 83 00

L. Brooker: Expenses and disbursements of troopers at Fairs 156 80

T. Leblond: do do 181 30

J. R. Routh: do Dragoons 355 60

Experimental Plots:—
G. Stericker: Cultivating, sowing, etc 37 50

N. McConnell: Cartoons for report, 15.00; G. L. Bunnelle: Photo supplies, 56.20 ..... 71 20

Photos: J. M. Selley, 20.00; W. Andison, 7.00; W. W. Burgess, 2.00; T. A. Adams, 3.00 ..... 32 00

AGRICULTURE.—*Continued.*

INCIDENTALS.—*Continued.*

Mrs. Hubertus: Postage stamps, 250.00; Bell Tel. Co.: Messages, 4.35	254 35
L. K. Cameron: Stationery, 43.10; paper, .70	43 80
C. P. R. Tel. Co.: Telegrams, 10.15; G. N. W. Tel. Co.: Telegrams, .50	10 65
H. B. Cowan: Petty office expenses	1 05
Mustard Spraying:—	
W. R. Dewar: Services, 50.00; trav. expenses, 104.64	154 64
F. W. Broderick: do 82.50; do 161.20	243 70
P. W. Hodgetts: Trav. expenses *re* spraying methods	11 05
Bryant Press: Posters, 18.00; Spramotor Co.: Spramotors, etc., 17.48	35 48
W. Lochhead: Trav. expenses inspecting gardens and orchards *re* insects, etc.	2 85
do do black rot in grape vines	35 20
W. Brodie: do orchards *re* codling moths	8 90
F. W. Ratcliffe: Allowance for destroying Barberry hedge	10 00
R. A. Burriss: Grant to Port Arthur and Fort William Agricultural Exhibition	1,800 00
Eastern Fair, Ottawa:—	
W. B. Varley: Trav. expenses, 20.03; R. P. Fairbairn: Trav. expenses, 18.75	38 78
City Treasurer: Grant towards erection of building	6,000 00
Secy.-Treasurer: do fair	3,500 00
Winter Fair, Guelph:—	
W. A. Mahoney: Platform, etc., 83.00; Wm. Malloch & Co.: Elevator poultry bldg., 135.00	218 00
Jno. Young: Carpentering, 22.50; G. B. Morris: Hardware, 11.55	34 05
A. P. Westervelt: Prince of Wales Prize, swine department	50 00
Flax Growing:— A. L. McCredie: Services, 35.00; trav. expenses, 13.55	48 55
Live Stock Sale:—	
Secy.-Treas. Fat Stock Club: Contribution towards advertising	100 00
E. McMahon: Services as manager, Ottawa	100 00
Fruit, Flower and Honey Show:—	
W. G. Rook: Services at 2.50 per day	81 25
L. Woolverton: do 3.00 do 15.00; trav. expenses, 21.35	36 35
T. C. Barber: do 2.00 do 8.00; do 5.90	13 90
J. T. Murphy: do 3.50 do 21.00; do 13.90	34 90
A. R. Lorimer: Printing & staty., 1.25; S. Mann: Ptg. signs, etc., 8.35	9 60
W. H. Dempsey: Services, 6.00; fruit, 14.15; expenses, 7.20	27 35
G. C. Caston: do 2.00; do 6.70; do 4.65	13 35
A. E. Sherrington: do 2.00; do 11.70; do .35	02 05
H. Jones: do 6.60; A. W. Peart: Fruit, 9.60; expenses, 9.12	25 32
J. H. Dunlop: Evergreen decorations, 25.00; Police Dept.: Spec. service, 6.00	31 00
G. Maricano: Furnishing music, 5.00; Lily Kleiser Paine: Services at concert, 10.00	15 00
T. H. Dunlop: Grant towards payment of prizes, flowers	300 00
Secy.-Treas.: Fruit Assn., do do fruit	650 00
Secy.-Treas., Beekeepers' Assn.: do do honey	200 00
Poultry Exhibit, World's Fair, St. Louis:—	
J. H. Saunders: Services at 6.00 per day, 102.00; trav. expenses, 15.00	117 00
Hon. Jno. Dryden: Trav. expenses to England *re* dead meat trade	400 00
	68,485 34
Less refunded by Agri'l Societies for Expert Judges services & exps. 3,188.42	
do Dairymen's Assns. for Special Dairy Instruction 6,544.59	9,733 01
	$58,752 33

SUGAR BEET INDUSTRY ($71,715.99).

Ontario Sugar Co.:	Bounty on 7,059,695 lbs.	Manufactured 1 Edward VII., Cap. 2	35,298 47
Dresden Sugar Co.:	do 2,094,999	do	10,474 99
Wallaceburg Sugar Co.:	do 4,230,422	do	21,152 11
Wiarton Beet Sugar Co.:	On acct bounty	do	4,790 42

SAN JOSE SCALE ($3,690.86).

P. W. Hodgetts:	Twelve months' salary as Inspector		400 00
J. F. Smith:	Services as Assistant Inspector at 3.00 per day		556 50
G. R. Cottrelle	do	do 3.00 do	90 00

AGRICULTURE.—*Continued.*

SAN JOSE SCALE.—*Concluded.*

Jos. Healey: Services as Assistant Inspector at 2.50.. per day	156 25
F. W. Broderick: do do 2.50 do	17 50
R. Thompson: do do 2.50 do	52 50
E. W. Sovereign: do do 1.75 do	10 50
W. E. A. Peer: do do 1.75 do	83 95
C. V. Taggart: do do 1.50 do	90 75
C. C. Lyall: do do 1.50 do	91 50
P. W. Hodgetts: Travelling expenses and disbursements	54 65
J. F. Smith: do 282.43; to pay postage, staty., etc., 16.46; freight charges, 134.10; sundry disbursements, 41.75	474 74
Travelling expenses: Jos. Healey, 38.05; F. W. Broderick, 23.15; R. Thompson, 33.61; E. W. Sovereign, 4.50; G. R. Cottrelle, 151.10; W. E. A. Peer, 42.20; C. V. Taggart, 59.05; W. Lochhead, 40.25; Robt. Harcourt, 45.65; C. C. Lyall, 58.35	495 91
Treas. Twp. Gosfield South: One half cost inspection	40 00
M. A. Bell, Clerk Twp. Louth: do do	15 00
A. Hansel, Treas. Twp. Clinton: do do	39 00
Dominion Drug Co.: Sulphur, 550.38; freight charges, 53.56	603 94
J. Winer & Co.: do 430.58; do 27.51	458 09
Macpherson, Glassco & Co.: do 152.00; do 13.79	165 79
Elliot & Co.: do 112.92; do 8.37	121 29
Lyman Bros & Co.: do 35.84; do 4.62	40 46
Perkins, Ince & Co.: do 38.57; do 5.27	43.84
T. Kinnear & Co.: do 80.64; do 9.00	89 64
Beaver Oil & Gas Co.: Crude oil, 589.08; barrels, 25.00; freight charges, 1.80	615 88
G. A. McBain: Spraying mixture and powder	700 00
Southcott & Potter: Sulphide potassium, 6.60; L. K. Cameron: Paper, 4.50	11 10
Warwick Bros & Rutter: Printing, etc., 3.70; Mrs. Hubertus: Postage stamps, 25.00	28 70
C. E. Fisher, Secy.-Treas.: Grant to Fruit Growers' Assn. to discuss methods of combatting scale	120 00
	5,667 48
Less received from sale of sulphur, oil and soap	1,976 62
	3,690 86

EXPERIMENTAL FRUIT STATIONS AND INSTITUTES ($4,281.23).

L. Woolverton: Services as Secretary Board Control and preparing work on fruits of Ontario.... ....

AGRICULTURE.—*Continued.*

EXPERIMENTAL FRUIT STATIONS AND INSTITUTES.—*Concluded.*

Photos of Fruits: A. W. Medcalfe, 4.50; Fraser & Sibley, 5.70; A. M. Cunningham, 45.48; Galbraith Photo Co., 1.09								56 77
D. McKenzie: Ptg and advertising, 2.50; Mrs. Torrey: stationery, 5.10								7 60
Can. Typewriter Co.: Supplies, 21.60; Mail Ptg. Co.: advertising, 40.00								61 60
Postmaster: Rent of box, 1.50; postage stamps, 10.00								11 50
Can. Press Assn.: Certificate membership for Rlys., 2.00; Globe Ptg. Co.: Advtg., 50.00								52 00
Industrial Exhibition:—								
W. H. Dempsey:	Services,	4.00;		Fruit	16.30;	trav. expenses,	5.54;	
A. W. Peart:				do	5.40;			
A. M. Smith:	do	18.00;				do	16.65;	
W. W. Hillborn:	do	2.00;				do	24.49;	
M. Pettit:				do	13.42	do	5.40;	
Elmer Lick:	do	9.00				do	8.75;	123 95

EASTERN DAIRY SCHOOL ($12,802.35).

J. W. Mitchell:	Twelve months' salary as	Superintendent		1,500 00
G. G. Publow:	Four and one-half do	Instructor in cheese		562 50
J. H. Echlin:	Five do	Assistant instructor in cheese		181 66
R. Ireland:	Four and one-quarter do	Instructor in butter		298 67
J. Stonehouse:	Three do	do		217 50
Services instructing in butter: J. Buro, 48.00; James Irwin, 20.00				68 00
W. J. Carson:	Three months' salary as	Instructor in testing		210 00
J. F. Singleton:	One do	do		32 50
T. E. Perry:	Four & three-quarters do	Asst. do		150 00
Services instructing in testing: E. McIntrye, 12.50; Warner Williams, 8.25				20 75
G. C. Creelman:	One month's salary as	Director		4 17
G. A. Putnam:	Eleven do	do		45 83
W. T. Connell:	Twelve do	Bacteriologist		500 00
Jessie Gordon:	Five and one-half do	Office assistant		94 00
J. A. Craig:	Five do	Engineer		175 50
Alex. Ross:	Ten do	Caretaker		110 00
City of Kingston: Taxes, 6.35; Water Works Dept.: Water, 70.00				76 35
Kingston Heat and Light Co.: Heat, 5.57; light, 22.81				28 38
Fuel: Booth & Co., 171.25; P. Walsh, 58.50				229 75
Mrs. Dennis: Washing				5 62
Apparatus, Appliances, Supplies, Repairs, etc.: Imperial Laundry Co., 3.52; De Laval Separator Co., 14.73; The Rathbun Co., 9.50; Lemon, Claxton & Lawrenson, 25.88; J. Laidlaw & Co., 2.85; Can. Dairy supply Co., 3.50; Firstbrook Box Co., 48.87; Robertson Bros., .25; Lyman Bros. & Co., 15.42; R. A. Lister & Co., 1.23; Silver Dust Mfg. Co., 9.20; Queen City Oil Co., 5.80; J. Laidlaw & Son., 3.80; C. Richardson & Co., 220.50; T. Vanhorn, .40; McKilney & Birch, 89.79; A. P. Chown, 13.18; H. A. Wilton, 8.40; H. Skinner & Co., 8.43; J. F. Kellock, 10.50; A. Stoddard, 4.00; Robert Reevé, 2.75; D. Derbyshire & Co., 35.80; J. W. Mitchell, .25; A. Nichols & Son, 13.00; J. Gilbert, 2.15; A. J. Johnston, 1.61; C. Hansen's Laboratory, 7.20; Geo. Sears, 2.37; G. R. Tomlinson, 2.64; Creamery Pkg. Co., 5.25; Dom. Paper Co., 35.40; R. Carson, 6.75; Jno. Rees, 7.00; W. Richardson, .60				622 52
Bell Telephone Co.: Messages, 17.95; G. N. W. Tel. Co.: telegrams, 1.81				19 76
C. P. R. Telegraph: Telegrams, 1.00; Can. Express Co.: charges, 11.25				12 25
Dom. Express Co.: Charges, .50; S. J. Rees: cartage, 3.00				3 50
G. T. Ry. Co.: Freight charges, 24.12; Collector Customs: duty charges, 4.85				28 97
K. & P. Ry. Co.: Freight charges, 2.31; L. Guess; cab hire, 3.50				5 81
J. Stonehouse: Cab hire, 2.00; W. Jacob: cab hire, 1.25				3 25
Trav. expenses: J. W. Mitchell, 37.35; D. Derbyshire, 3.50; R. G. Murphy, 3.50; G. G. Publow, 7.45				51 80
Stationery: J. C. Dobbs & Co., 7.15; R. Uglow & Co., 39.83; E. J. Pense, 17.90;				64 88
J. G. Foster: City directory, 2.00; Rolph, Smith & Co.: cheque books, 29.50				31 50
Warwick Bros. & Rutter: Cheque books, 3.40; S. A. Hentig: postage stamps, 22.00				25 40
J. Gillert: Postage stamps				19 25
Sundry persons: Milk supplied, 7,252.13; Sundry students: refund fees, 11.00;				7,263 13
Sundry newspapers: Subscriptions, 12.30; advertising, 66.85				79 15
Board of Education: 1 year rent of gymnasium to Sept. 1, 1904				60 00

(Revenue, $8,275.65. See Statement No. 7).

AGRICULTURE.—*Continued.*

WESTERN DAIRY SCHOOL ($3,442.98).

Geo. H. Barr	Services as	Superintendent at 125.00 per month	500 00
F. Herns	do	Instructor Milk testing	330 00
J. C. Bell	do	do Butter-making	245 00
F. Dean	do	do do	45 00
Jno. Scott	do	do Cheese-making	210 00
Jas. Burgess	do	do Separators	235 00
Mrs. Agnes Smith	do	do Home Dairy & Domestic Science	225 00
W. Armstrong	do	Engineer	60 00
E. Barry	do	do	127 00
R. N. Cruickshank	do	do	3 00
W. G. Lister	do	Weighing milk	3 50
G. C. Creelman	Allowance as	Director	4 17
G. A. Putnam	do	do	45 83

J. P. Whitehead, V.S.: Lecturing, 5.00; Miss L. Cockburn: Typewriting, 2.00 .... 7 00

M. McNeil: 23 5-8 cords hardwood at 3.50, 82.65; 31½ cords soft wood, 78.75 ..... 161 40

R. Nicholson: 2 tons coal at 5.50, 11.00; Scott & Gillies: 29-265 tons at 5.00, 150.65 161 65

Apparatus, supplies, appliances, repairs, etc.:

C. Richardson & Co.: 261.01; McColl Bros.: 10.11; Ballantyne Dairy Supply Co., 75.59; C. H. Slawson & Co.: 25.10; London Box Mfg. & Lumber Co.: 43.88; A. Westman, 1.00; J. D. Meekison, 4.05; W. H. Stepler, 2.55; London Engine Supplies Co., 13.75; Crown Oil Refining Co., 4.00; F. J. Sleightholm, 14.25; J. Robertson & Son, 41.52; Jas. Noble, 19.81; H. Cooper, 1.00; H. G. Cline, 11.00; G. L. Brown, 8.35; Geddes Bros., 4.50; Wagner Glass Works, 6.65; R. Nicholson, 7.17; Scott & Gillies, 11.17; W. P. Gamble, 2.00; R. J. Avery, 2.15; P. N. Nichol, 1.25; Union Petroleum Co., 3.50; D. Graham, 14.25; J. C. Best, 9.07; Jas. Wright & Son, 24.98; Geo. Lamotte, .85; F. L. Harrison & Son, 3.50; patron's account, 7.11; Lee's Fruit Store, .65; E. Barry, .55; E. Statham & Son, 17.70; Wm. Baird, 26.94; Darch & Hunter, 3.80; Canada Foundry Co., 17.65; R. Whitelaw, 13.06; Smith Bros. & Co.: 1.90; E. Leonard & Sons, 6.00; Geo. K. Herd, 41.15; Wm. Stevely & Son, 3.35; Creamery Package Mfg. Co.: 4.50 ..... 772 37

Wm. Briggs: Books, 3.00; R. S. Williams: Group photo staff & students, 24.20 ..... 27 20

Stationery: H. C. Pope, 1.10; A. A. Langford & Co., 1.00 ..... 2 10

D. C. McPhail: Work on drain, 2.75; W. Taylor: Care of lawn, 4.00 ..... 6 75

Griffin & Bolton: Cartage, 7.70; Can. Express Co.: Charges, 9.70 ..... 17 40

Bell Tel. Co.: Messages & phone, 21.25; Postmaster: Postage stamps, 6.00 ..... 27 25

A. G. Raymond: Postage stamps, 5.00; Buttery & Rapley: Livery hire, 1.00 ..... 6 00

Jno. Murdock: Laundrying, 5.75; G. M. Haldane: Ptg. & staty., 31.50 ..... 37 25

Printing & advertising: *The Dispatch*, 27.15; Evans Bros.: 47.05 ..... 74 20

Advertising: Western Dairymen's Assn., 10.00; St. Thomas *Journal*, 4.00; *Farming World*, 8.40; *Weekly Sun*, 11.20; *The Enterprise*, 1.50; Huron *Expositor*, 3.60 38 70

Subscriptions: *Trades Bulletin*, 2.00; *Can. Engineer*, 2.00; Chicago Produce Co., 2.50; *Hoard's Dairyman*, 1.00; *Farming World*, 1.20; *Farmers' Advocate*, 1.50; *N. Y. Produce Review*, 2.75; *The Housekeeper*, 1.00; *The Dispatch*, 1.00 .... 14 95

Travelling expenses: Robt. Harcourt, 6.55; W. P. Gamble, 11.85; F. C. Harrison, 6.00; H. H. Dean, 5.75; E. Barry, 3.55; M. McBrearty, 4.00 ..... 37 70

(*Revenue*, $49.66. *See Statement No. 7*).

PIONEER DAIRY FARM ($2,081.81).

A. E. Annis: Thirteen months' salary as Superintendent, 1903-4 ..... 520 00

Wages, Laborers:—

Sundry persons, 62.05 ..... 894 05

H. Hardy, 555.00; E. McPhail, 37.00; A. E. Berry, 240.00;

F. T. Brignall: Threshing, 30.00; A. E. Annis: Disbursements, 1.25 ..... 31 25

C. C. Godfrey, V.S.: Attendance & medicines, 4.50; Dr. Blair: Medicines, 1.25 .... 5 75

Max Schellenberg: Harness & repairs, 15.95; Frost & Wood: Repairs to implements, 1.65 17 60

J. R. Lodes: Twine, 13.00; M. Tuck: Twine, 7.25 ..... 20 25

W. Mooney: Wood, etc., 5.65; J. G. Hays: Clover seeds, etc., 29.27 ..... 34 92

Supplies, etc:—

G. M. Yeomans, 9.30; J. E. Gibson, 56.11; J. Reed, 103.95; Cassidy & Son, 112.51; L. V. Rutter, 5.00; S. B. Black, 4.90 291 77

AGRICULTURE.—*Continued.*

PIONEER DAIRY FARM.—*Concluded.*

C. Silver: One horse, 160.00; W. McMillan: Lumber, 6.75 ..... 166 75
McGregor Bannell Fence Co.: Fencing, fence stretcher, etc. 85 26
C P. Railway Co.: Freight charges 14 21
(*Revenue*, $762.18. *See Statement No. 7.*)

BUREAU OF INDUSTRIES ($2,804.49).

Services, tabulating agricultural statistics at 2.00 per day:—
A. J. Brodie, 72.00; W. E. Bradwin, 72.00; S. A. Cudmore, 84.00; W. H. King, 72.00; H. H. Ledrew, 48.00; C. W. McIntyre, 72.00; A. F. Hare, 60.00; A. D. Emory, 48.00 528 00
Services, mailing circulars and addressing envelopes at 2.00 per day:—
M. H. V. Cameron, 36.00; H. H. Ledrew, 34.00; F. Rightmeyer, 184.12..... 254 12
W. A. Stewart: Meteorlogical services, 50.00; Jas. B. Nichols: 500 copies Farmers' Hand Book, 60.00 ..... 110 00
Alfred Hewitt: 1200 copies *Can. Agricultural Annual*, 60.00; W. McMaster: Postage stamps, 90.00 ..... 150 00
Am. Arithmometer Co.: Adding machines, 625.00; paper, 7.75..... 632 75
Warwick Bros. & Rutter: Printing and binding reports, bulletins, etc. 541 09
L. K. Cameron: Paper, 79.93; stationery, 219.85 ..... 299 78
Riordon Paper Mills: Paper 288 75

COLD STORAGE ($450.00).

J. B. Reynolds: Trav. expenses, 184.23; Collector of Customs: Duty charges, 3.90 188 13
Georgia Fruit Package Co.: Fruit carriers, 12.50; freight charges, 1.60.... .... 14 10
J. B. Reynolds: Disbursements re experimental shipment of fruit 134 48
do To pay deficit in Grimsby shipment 108 89
do do St. Catharines shipment 4 40

AGRICULTURAL COLLEGE.

Salaries ($38,588.46).

Jas. Mills:	One months' salary as	President.....	.....	166 66
Geo. C. Creelman:	Eleven	do	do	1,833 34
H. H. Dean:	Twelve	do	Prof. of Dairying.....	1,700 00
J. H. Reed:		do	do Veterinary Science (part time)	1,000 00
J. B. Reynolds:		do	do Physics and English	1,700 00
W. Lochhead.		do	do Biology	1,700 00
G. E. Day:		do	do Agriculture.....	2,000 00
do	Arrears for 1903	do	do do	400 00
H. L. Hutt:	Twelve	do	do Horticulture.....	1,600 00
F. C. Harrison:		do	do Bacteriology	1,600 00
Robt. Harcourt:		do	do Chemistry	1,600 00
W. P. Gamble:		do	Lecturer in Chemistry	1,200 00
M. Cumming.		do	do Animal Husbandry	1,200 00
T. D. Jarvis:	Four	do	do Biology	366 66
J W. Hotson:	Five and one-half	do	do do	458 32
A. J. Mackay:	Forty-four days	do	Assistant in Biological Labty	44 50
B. Barlow:	Twelve	do	Demonstrator, Bacteriology.....	800 00
E. G. de Coriolis:		do	do Chemistry	800 00
T. D. Jarvis:	Eight	do	do Biology	533 00
V. W. Jackson:	Four	do	do do	233 33
W. H. Day:	Twelve	do	do Physics	800 00
H. S. Peart:		do	do Horticulture	800 00
W. R. Graham:		do	Manager, Poultry Department	1,200 00
F. H. Reed:		do	Dean of Residence	700 00
A. G. Rowsome:		do	Teacher French & German & Asst Lib'an	700 00
W. G. Milligan:		do	Second Asst. in Library	400 00
W. Clark:		do	Drill & Gymnastic Master	300 00
B. S. Pickett:		do	Secretary to President	800 00

AGRICULTURE.—*Continued.*

AGRICULTURAL COLLEGE.—*Continued.*

SALARIES.—*Continued.*

A. Hallett:	Twelve months' salary	as	Stenographer	400 00
S. Springer:		do	Bursar and Superintendent	1,500 00
A. A. Davidson:		do	Clerk	550 00
W. B. Goldie:		do	do	291 66
Sarah Craig:	Nine	do	Matron	375 00
A. A. Nelles:	Two	do	do	83 00
S. E. Hardy:	One	do	do	42 00
W. O. Stewart, M.D.:	Twelve	do	Physician	500 00
R. W. Green:		do	Engineer	800 00
Jno. Kelly:	Five	do	Painter	250 00
J. W. Holman.	Five	do	do	250 00
Stokers (3):	Twelve	do		1,201 00
Jno. Squirrell:		do	Night Watchman	396 00
J. Woods:	Eight	do	Messenger	233 00
Geo. Dean:	Three	do	do	90 00
E. W. Marshall:	One	do	do	20 00
J. Teven:	Twelve	do	Janitor	396 00
Geo. Smith:	Seven	do	Sewage Caretaker	278 00
A. J. Black:	One	do	do	38 00
Robt. Abbs:	Four	do	do	154 00
A. W. Bruce:	Twelve	do	Departmental Stenographer	225 00
E. Powell:		do	do	130 00
Pay lists: Wages cooks, laundresses, maids, etc.				2,261 91
Forestry Department:—				
E. J. Zavitz:	Nine months' salary	as	Forester	450 00
W. C. Walker:	Three do		do	150 00
Pay lists: Wages, laborers, etc.				888 08

EXPENSES ($42,713.31).

Armstrong, A. A.: Poultry, 5.17; Acton, Jas. Pubg. Co.: books, 5.50	10 67
Anderson, C. & Co.: Stationery, 52.57; Am. Chemical Socy.: membership dues, 5.00	57 57
A. L. A. Pub. Coy.: Cards, 5.16; Acta Victoriana: advtg., 15.00; sub. 1.00	21 16
Agnew, Geo.: Temporary services	175 00
Bollert, E. R. & Co.: Cotton, 2.40; Bullock, A. C.: cyl oil, 3.25	5 65
Brome County Maple Product Co.: Maple syrup, 520 lbs, 28.06; Bond, J. M. & Co.: iron hardware, etc. 98.08	126 14
Boyle, J.: Services, stoker, 8.20; Bacteriological Dept.: disinfectants, 2.00	10 20
Beck Duplicator Co.: Labty supplies, 6.00; Beamish, J. R.: rubber aprons, 5.00	11 00
Brown, J. C.: Binding books, 21.76; Babcock, P. Y.: berries, 23.04	44 80
British Bee Journal: Books, 7.71; Britnell, A.: books, 39.25	46 96
Boston Book Co.: Books 30.00; Briggs, Wm.: books, 1,343.16	1,373 16
Ballantyne, R.: Scholarship, 10.00; Bracken, J.: Scholarship, 10.00	20 00
Bunting, G.: Scholarship, 10.00; Brethour, J. E.: judging *re* short courses, 12.00; exps., 5.15	27 15
Baldwin, L. H.: Short course lectures, 12.00; trav. exps., 2.70	14 70
Bell, W. J.: Short course lectures, 6.00; trav. exps., etc. 6.25	12 25
Barber, A.: Exps. *re* short courses, 15.00; Beattie, W. H.: Drugs and chemicals, 1.76	16 76
Bernhardt, C.: Services telephone boy, 6.50; Buchanan, J.: drawing plans, 7.75	14 25
Bell Tel. Co.: Messages, 108.85; Bursar: to pay sundries, 57.25	166 10
Castner, Curran & Bullitt: Coal, 600 tons, 700 lbs., @ 4.30, 2,582.15; 1,507 tons, 100 lbs.. @ 3.50, 5.214.19	7,796 34
Canada Biscuit Co.: Biscuits, 7.99; Clugston, R. G.: honey, 100 lbs., 8.00	15 99
Central Electric & School Supply Co.: Rain gauges, 4, 20.00; labty. supplies, 29.15	49 15
Clay, Mrs. Wm.: Services, housekeeper, St. Rocks hospital	70 00
Caston, G. C.: Maple syrup, 6 gals., 7.90; "Country Life," sub. 2.65	10 55
Canned & Dried Fruit Pub. Co.: Sub., 3.00; Can. Typewriter Co.: typewriter supplies, 15.80	18 80
Canada Chem. Mfg. Co.: Chemicals, 26.47; Can. Gen'l Electric Co.: lamp, 2.00	28 47

AGRICULTURE.—*Continued.*

AGRICULTURAL COLLEGE. *Continued.*

EXPENSES.—*Continued.*

Chem. Pubg Co.: Journals, 2.40; Chemists' & Surgeons' Supply Co.: labty. supplies, 254.88 ..... 267 28
Chandler & Massey: Labty. supplies, 2.68; Cambridge Botanical Supp. Co.: labty: supplies, 26.12 ..... 28 80
Can. Engineering Co.: Oil, 4.25; Clay, Wm. F.: books, 112.00 ..... 116 25
Cosh, N.: Lecturing re short courses, 12.00; trav. expenses, 4.20 ..... 16 20
Carter, Wm.: Poultry, 15.00; Campbell, Jno.: trav. expenses, 19.30 ..... 34 30
Creelman, G. C.: Trav. exps., 79.75; trav. expenses to St. Louis, 126.15 ..... 205 90
Cuming, M.: Trav. expenses, 38.20; books, 2.50 ..... 40 70
Common Sense Mfg. Co.: Rat exterminator, 6 lbs., 6.00; Clemens, H. A. & Co.: lumber, etc., 80.13 ..... 86 13
Cummings, H.: Driving wagonette, 8.25; Catholic Pubg. Co.: advtg, 10.00 ..... 18 25
Canada Year Book: Advtg., 105.00; Cray Oil Co.: Oil, 40 gals., 8.20 ..... 113 20
Cyphers Incubator Co. Books, 1.00; Dooley, J. M.: bread & biscuits, 775.20 ..... 776 20
C. P. Railway Co.: Freight charges, 64.45; freight charges on coal, 36.37 ..... 100 82
C. P. R. Telegraph: Telegrams, 58.65; Can. Bank Commerce; exch. on drafts, etc., 10.90 ..... 69 55
Can. Express Co.: Charges, 112.05; Dooley, Jno.: fence, 210.00 ..... 322 05
Collector of Customs: Duty charges, 19.52; duty charges on coal, 1,103.37 ..... 1,122 89
Crowther, L.: Services as baker, 175.00: Can. Horticulturist: advtg, 24.00 ..... 199 00
Crawford, E. A.: Trav. expenses 1 35
Dairy School: Butter, 11,791 lbs., 2,494.91; cheese: 45 lbs., 4.50 ..... 2,499 41
Dougall, Jno. & Son: Stationery, etc., 2.40; Duncan, Geo.: whitewashing, 28.40 ..... 30 80
Davidson, Wm.: Care of horses during Sundays, 11.50; cab hire, etc., 16.00 ..... 27 50
Dean, H. H.: Trav. exps., 13.20; Day, W. H.: Trav. exps., visiting colleges in U.S., 50.00 ..... 63 20
Day, G. E.: Trav. exps., 25.55; expenses re short courses, 8.25; allowance trav. expenses, self and six students to Chicago, 140.00 ..... 173 80
Davidson, Jno.: Chair, 7.50; couches, 21.00; upholstering, etc., 69.50; perf. seats, 10.00; desk, 12.00; bed and mattress, 23.50 ..... 143 50
Day, T. J.: Stationery, etc., 77.26; subs., newspapers, periodicals, etc., 24.50 ..... 101 76
Douglas, M: Services trained nurse, 56.57; Dickson, J. R.: books, 2.90 ..... 59 47
Dentonia Park Farm: Exps., and freight chgs. re short courses, stock judging 27 25
Dom. Express Co.: Charges, 40.93; Dom. Presbyterian: advtg, 37.80 ..... 78 73
Eimer & Amend: Labty. supplies, 97.89; Entomological Society: Labty. supplies, 10.00 ..... 107 89
Empire Soap Co.: Mangle cloth, 25 yds., 20.00; duck, 5 yds. 3.46 ..... 23 46
Electric Boiler Compound Co.: Boiler compound, 893 lbs., 54.48; cyl oil, 78 gals., 62.66; engine oil, 80 gals., 40.17; packing, 18 lbs., 19.96; machine oil, 22 gals., 14.00; sundries, 25.09 ..... 216 36
Eureka Mineral Wool Co.: Hose, 10 ft., 9.00; packing, etc., 44.36 ..... 53 36
Fairmont Coal Co.: 43 tons, 1,500 lbs., @ 3.75, 164.06; Fielding & McLaren, tea, 50 lbs., 12.50 ..... 176 56
Fulmer, H. L.: Temporary assistance, 100.00; Fock, B. G.: books, 61.01 ..... 161 01
Foster Pottery Co.: Pots, 4.00; Farming World: advtg., 17.68 ..... 21 68
Farmers' Advocate: Advtg., 78.80; sub. 1.50; books, 15.00 ..... 95 30
Farm Department: Exps. re short courses, 43.83; Fleischmann & Co.: Yeast, 22.50 ..... 66 33
Gurney Foundry Co.: Radiator, 2.38; Goldie & McCulloch Co.: Valve, 1.10 ..... 3 48
Goldie, The Jas. Co.: Bran, ½ ton, 8.50; flour, 367.21 ..... 375 71
Globe-Wernicke Co.: Filing cabinets, 11.05; Green, H. J.: Labty supplies, 17.35 ..... 28 40
Gummer, H.: Subs., 16.00; ptg. and advtg, 8.40 ..... 24 40
Guelph Cartage Co.: Freight charges and cartage, 12.67; cartage of coal, 61.51 ..... 74 18
Guelph Radial Ry. Co.: Cartage of coal, etc., 285.23; car tickets, 10.20 ..... 295 43
Gunn's, Limited: Bacon & hams, 9,358 lbs., 1,112.98; Guelph Paper Co.: Staty., etc., 4.87 ..... 1,117 85
Goldie, Wm.: Services tempy. clerk Bursar's office, 29.15; Guelph Ice Co.: Ice, 30.00 ..... 59 15
Guelph Light & Power Dept.: Electric light, 321.45; Graham, W. R.: Trav. exps., 6.95 ..... 328 40
G. T. Ry. Co.: Freight charges, 108.60; G. N. W. Tel. Co.: Telegrams, 19.99 ..... 128 59
Grip Pub. Co.: Advtg. 5.95; half tone engraving, 37.40; 43 35
Globe Ptg. Co.: Christmas cards, 30.00; advtg., 107.46 ..... 137 46
Gamble, W. P.: Trav. expenses, 18.30; Green, R. W.: Trav. expenses, 13.05 ..... 31 35
Gutta Percha & Rubber Mfg. Co.: Brass pipe, 7.75; Gray, Wm. & Sons Co.: Buggies (2), 260.00 ..... 267 75
Grant, T. F.: Cleaning well, etc., 4.50; Gilchrist, A.: Raking leaves, etc., 32.82 ..... 37 32

AGRICULTURE.—*Continued.*

AGRICULTURAL COLLEGE.—*Continued.*

EXPENSES.—*Continued.*

Gosling, Jno.: Services & lectures *re* short courses stock judging, 60.00; trav. expenses, 50.00; Holliday, W.: Mounted birds, 20.00 ..... 130 00
Hodgson, R.: Services unloading coal, 9.90; Hales, A.: Meat, 1.25 ..... 11 15
Hales, P.: Poultry, 3.60; Hill, D.: Trees, 104.00 ..... 107 60
Hewer, Jas. & Son: Labty. supplies, .50; potatoes, 238 bags, 196.42 ..... 196 92
Hurndall, L.: Photo supplies & photos, 6.95; Hotson, J. W.: Labty. supplies, .70.... 7 65
Hume, Jno.: Damages to sheep used in short courses, 20.00; Huard, V. A.: Books, 2.00 22 00
Hayhoe, R. B. & Co.: Tea, 1,356 lbs., 305.00; Hunt, Wm.: Trav. expenses, 2.90 .... 307 90
Harrison, F. C.: Trav. expenses, 44.15; Hardy, S. E.: Trav. expenses, 5.60 ..... 49 75
Hutt, H. L.: Trav. exps. 22.65; Harcourt, Robt.: Trav. exps., 42.70 ..... 65 35
Hart, F. C.: Scholarship, 10.00; Halliday, E.: Painting birds, 62.00 ..... 72 00
Inland Revenue Dept.: Meth. spirits, 10.80; International Ry. Co.: Sub., 1.00..... 11 80
Jones, D. H.: Illustrating reports, 5.50; Jaffray, A.: Unpacking & hdlg. 2 pianos, 5.00 10 50
Jackson & Son: Salt, 8 bbls., 10.00; *Journal*: Advtg. 9.60 ..... 19 60
Jenkins, W. R.: Books, 2.50; Johnston & Co.: Bread, 5.37 ..... 7 87
Kloepfer & Co.: Coal, 36-200 tons at 5.20, 187.72; 1-1860 tons at 7.00, 13.57; charcoal, ½ ton, 15.00 ..... 216 29
King, W. S.: Labty. supplies, 10.50; Kennedy, Jno.: Sewer pipe, etc., 30.50 ..... 41 00
Kerr, A.: Poultry, 16.05; Krouse, F. W.: Honey, 4.60 ..... 20 65
Kellerman, W. A.: Books, 2.00; Kennedy, J. W.: Scholarship, 10.00 ..... 12 00
Kennedy, R. B.: Photos, 4.25; Kent, Ambrose & Sons: Brooches (9), 10.00 ..... 14 25
Kennedy, Jno.: Coal (cannel), 2,400 lbs., at 7.00, 8.40; 5,060 lbs. at 7.50, 18.97; nut, 3-685 tons, at 6.75, 22.56; 18-1560 tons, at 6.35, 119.25 ..... 169 18
Lyman Sons & Co.: Labty. supplies, 100.16; Le Roy Chemical Co.: Boiler compound, 1 bbl., 38.40 ..... 138 56
Lee, J. E. Co.: Disinfector, 30.00; London Ammonia Co.: Powder am. 204 lbs., 12.24 42 24
Lochead, W.: Trav. expenses, 69.70; *Literary Digest*: Sub., 3.00 ..... 72 70
Library Bureau: Gummed labels, cards, etc., 60.15; Library of Congress: Catalogue, cards, etc., 63.38 ..... 123 53
Mitchell, R.: Groceries, 23.11; Morrison, Jas.: Brass Mfg. Co.: Valves, castings, etc., 11.00 ..... 34 11
Marriott, Jno.: Spray, (late Dr. Muldrew), 10.00; Mason, A. W.: Books, 3.00..... 13 00
Michigan Ammonia Works: Engine room supplies, 30.00; Mills, Jas.: Trav. exps., 3.15 33 15
Mineral Wool & Asbestos Co.: Packing, 33.30; Merck & Co.: Labty. supplies, 72.21.. 105 51
Meehan, Thos. & Sons: Forestry supplies, 48.30; Mahoney Bros.: Castings, etc., 15.47 63 77
Map & School Supplies Co.: Labty. supplies, 21.95; Morris, G. B.: Iron h'd're, etc., 269.70 291 65
Matthews, Mrs.: Services caretaker, Massey bldg., 273.00; Moore, H. P.: Circulars, 2.85 275 85
Marshall, E. W.: Services messenger, 5.00; *Mail* Ptg. Co.: Advtg., 27.75 ..... 32 75
Might Directories: Directory, 7.50; Mitchell, A. M.: Cab hire, 3.25 ..... 10 75
Morris, E.: Cab hire, 9.50; Moore, W. H.: Trav. expenses, 8.85 ..... 18 35
Muldrew, W. H.: Trav. expenses 9 65
McCrea, J. A.: Soap, 205.39; sugar, 15,357 lbs., 574.00; cheese, 2,870 lbs., 272.67; lard, 1,102 lbs., 109.45; biscuits, 176.85; coffee, 735 lb., 219.00; salmon, 110 doz., 148.50; poultry, 99.48; currants, 211 lbs., 11.61; raisins, 544 lbs., 38.36; corn beef, 6 tins, 10.00; flour, 4,700 lbs., 81.45; baking powder, 10 doz., 16.30; eggs, 2,001 doz., 376.21; sundries, 729.96; rd. wheat, 11 bbls., 31.73; rd. oats, 13 bbls., 58.50; berries, 34.11; matches, 1 case, 3.75; brooms, 15 do.., 56.85; prunes, 1,450 lbs., 81.50; plums, 17.60; sardines, 20 doz., 40.50; fish, 2,388 lbs., 237.20; apricots, 50 lbs., 6.25; honey, 50 lbs., 4.50; cranberries, 4½ bbls., 42.80; evap. apples, 250 lbs., 19.00; canned vegetables, 122 doz. cans, 119.40; peaches, 13.95; mustard, 24 jars, 17.10; apples, 2 bbls., 3.50; table raisins, 44 lbs., 8.80; pineapples, 4 doz., 9.00; pickles, 27.55; butter, 150 lbs., 24.50; blueing, 30 lbs., 6.00; oranges, 19.45 ..... 3,931 77
McHardy, J. & A.: Sausage, 1,335 lbs., 157.28; lard, 21 lbs., 2.00 ..... 159 28
Macdonald, D. E. & Bro.: Carpet, towels, blanket, etc., 79.43; McCrea: Apples, 17.50 96 93
McNeil, Wm.: Services lecturing *re* short courses, 3.00; trav. exps., 4.40 ..... 7 40
McIntosh, P. & Son: Labty. supplies, 5.00; McKee, Jno. D.: Labty. supplies, 22.55 27 55
McNaughton, P.: Apples & butter, 10.88; McCredie, A. L.: Tempy. assistance, 93.75.. 104 63
McKay, A. C.: Trav. expenses, 2.60; McIntosh & Galbraith: Ptg., advtg., etc., 592.58 595 18
McMillan, H. R.: Scholarship, 10.00; McDonell, Jno. Cartage, 3.50 ..... 13 50
Nelles, C. L.: Stationery, etc., 47.63; National Book Co.: Books, 128.00 ..... 175 63
Nunan, F.: Ptg. & Staty., 58.75; Negretti & Zambra: Thermometers, 40.15..... 98 90

AGRICULTURE.—*Continued.*

AGRICULTURAL COLLEGE.—*Continued.*

EXPENSES.— *Continued.*

News: Sub., 2.50; Nelles, A. A.: Trav. exps., re transfer from Cobourg, 6.20 ..... 8 70
Ness, Robt.: Lectures re short course, 12.00; trav. expenses, 30.00 ..... 42 00
Office Specialty Co.: Staty., etc., 6.25; office furniture & fyling cases, 194.04 ..... 200 29
Occomore, H. & Co.: Labty. supplies, 38.59; O'Donnell, M.: Carpentering, 3.70.... 42 29
Ottawa *Free Press*: Sub., 1.00; Ont. Pub. Co.: Advtg., 75.00 ..... 76 00
O. A. C. Review: Advtg., 27.00; Painter, A. J.: Seeds, 15.00 ..... 42 00
Ont. Agricultural Seed Co.: Bags, 6.86; wheelbarrow, 3.25 ..... 10 11
Petrie, A. B.: Labty. supplies, 2.20; Panton, F. H.: Books, 100.00 ..... 102 20
Pickett, B. S.: Scholarship, 10.00; Pinder, S.: Poultry, 3.80 ..... 13 80
Pringle, G. D.: Photo suplies, 29.75; Palmer, E. T.: Cab hire, 3.00 ..... 32 75
Poultry Department: Eggs, 59.75; poultry, 139.88 ..... 199 63
Peart, H. S.: Trav. exps., 28.28; Postmaster: Postage stamps, 528.70..... 556 98
Pike, The D. Co.: Rent of tent 6 00
Queen City Oil Co.: Crude oil, 1.16; cylinder oil, 23 gals., 21.15 ..... 22 31
Queen's Quarterly Pub. Co.: Sub., 10.00; advtg., 25.00 ..... 35 00
Quarrie, Jno.: Temporary assistance 157 00
Rumford, A.: Iron tinware, etc., 5.05; Rittinger & Motz: Advtg., 12.00 ..... 17 05
Robertson, G. A.: Berries, 45.50; Richardson, G. A.: Files, etc., .75..... 46 25
Rolph & Clarke: Engraving diplomas, etc., 72.50; Ray Society: Books, 25.70..... 98 20
Rawlinson, M.: Exps. re trsfr. of baggage, 13.90; Ryrie Paper Co.: Envelopes, 5.00 18 90
Ramsey, J. G. & Co.: Camera, etc., *re* forestry, 72.55; Reynolds, J. B.: Trav. exps., 17.30 89 85
Root, A. I. Co.: Insect mounting, strips for boxes, 5.00; Reed, J. H.: Exps. *re* short course, 5.00 ..... 10 00
Royal City Bottling Works: Ginger ale, 2.25; Ryan, G. B. & Co.: cheese cloth, etc., 23.69 25 94
Rowsome, H. R.: Lectures on apiculture, (1903), 200.00; (1904), 200.00; honey, 900 lbs., 72.00 ..... 472 00
Sundry persons: Holding religious services in Massey Hall:—
R. W. Ross, 5.00; G. F. Davidson, 5.00; E. A. Henry, 5.00; A. Tovell, 5.00; T. H. Thomas, 5.00; P. C. L. Harris, 5.00; S. E. Marshall, 5.00; P. C. Sparling, 5.00; J. W. Weeks, 5.00; A. B. Winchester, 5.00; R. G. Glassford, 5.00; D. A. Walker, 5.00 60 00
Smallpox outbreak: J. A. McCrea, groceries, 52.99; Chas. Powell: Confectionery, 3.52; A. Hales, meat, 8.80; H. Peters: Milk & cream, 4.50; Kloepfer & Co.: Coal, 12.38; Wm. Sunley: tinware, etc., 12.85; G. B. Morris: Hardware, 14.11; T. J. Day: Staty. 4.50; Geo. McAllister: Sawdust, 6.00; Jas. Palmer: Cab hire, 13.00; Worthington Drug Co.: Drugs & chems., 5.10; Jno. D. McKee: Drugs, 45.70; Alex. Stewart: Drugs, 5.95; W. Herod: Drugs, 2.00; G. C. Warner: Fumigating, 4.82; St. Joseph's Hospital: Blankets, sheets, etc., 104.92; A. M. Mitchell: Cab hire, 5.00; Jno. Welch: Cab hire, 1.50; Dr. W. J. Robinson: Gown, 5.50; G. N. W. Tel. Co.: Telegrams, .30; F. Hurndall: Photos, 2.40; Dr. W. F. Bryans: Med. services, 2.00; Dr. Brock: Med. services, 20.00; H. P. Stark: Services trained nurse, 155.00; M. W. Meek: Ser. trained nurse, 32.00; W. O. Stewart, M.D.: Special grant, 300.00; Dr. Jas. Smillie: Med. services, 291.30 1,116 14
Stewart, Robt.: Lumber, etc., 124.88; Scrimgeour, Wm.: Athletic goods, 50.00.. 174 88
Smith, F.: Sheet lead & repg. pipes, etc., 14.80; Schultz Bros.: Manure, 3.50 .... 18 30
Simpson, Robt.: Honey, 8.10; Stewart, A.: Drugs & chems., 145.44 ..... 153 54
Starr, B. F. & Co.: Labty. suplies, 7.25; Stevenson & Malcolm Co.: Plumb'g, etc., 154.60 161 85
Struthers, J. M.: Table, 5.00; Snodgrass, Thos.: Berries, 15.36 ..... 20 36
Smith, E. D.: Trees, 11.50; St. Louis Biological Labty.: Microscope slides, 10.20.. 21 70
Stechert, G. E.: Books, 396.77; Sanders, J. H. Pub. Co.: Books, 70.00 ..... 466 77
Standard Vinegar Co.: Vinegar, 4 bbls., 41.07; *Sentinel Review*: Advtg., .42 ..... 41 49
Sheppard Pub. Co.: Advtg. 200.00; sub., 2.00 ..... 202 00
Schaefer, F.: Tile, etc., 156.12; Student labor, 4,050.37 ..... 4,206 49
Secy.-Treas. S. S. 7 Guelph Twp.: Tuition fees of children residing on Gov't. property 92 40
Seeds re Forestry: Homer & Co., 2.40; C. R. Pettis, 14.10; M. Clark, 3.00; J. Tuck, 4.50; H. Peart, 3.50; Steele, Briggs Seed Co., 12.25 ..... 39 75
Sundry women: Cleaning, 11.00, Sam Lee Hing: Laundry, 16.89 ..... 27 89
Springer, S.: Trav. exps., 33.95; Sinclair, J. B.: Typewriting, 3.00 ..... 36 95
Smith, A. W.: Lectures re short course, 12.00; trav. exps., 6.40 ..... 18 40
Tyson, A. W.: Meat, 3,646.64; Talbot, A. & Co.: Post cards, 12.50 ..... 3,659 14
Tillson Co.: Bran, ½ ton, 10.00; Temple, Jno.: Cab hire, 8.00 ..... 18 00

AGRICULTURE.—*Continued.*

AGRICULTURAL COLLEGE.—*Continued.*

EXPENSES.—*Concluded.*

Trinity University Year Book: Advtg., 8.00; *Torontonensis*: Advtg., 25.00	33 00
Tennant & Ward: Photos, 7.80; Tytler, Wm.: Setting papers & examining answers, 12.00	19 80
Toronto & Hamilton Electric Co.: Carbons, repairs, etc.	13 20
Thorp, G. J.: Labty. supplies, 1.22; Tait, Nelson: Packing furniture, 3.50	4 72
University of State of New York: Books, 2.05; *Varsity*: Advtg., 31.00	33 05
University of Toronto: Alumni Assn.: Advtg.,	40 00
United Typewriter Co.: Typewriter & table, 122.50; supplies, 62.55; Neostyle, 50.00	235 05
Virtue & Co.: Books	99 50
Winslow, R. M.: Scholarship, 10.00; Weld, Wm. Co.: Advtg., 44.80	54 80
Weekly Sun: Advtg., 72.20; sub., 1.25	73 45
Whyte Packing Co.: Bacon & hams, 575 lbs., 72.40; Waters Bros.: Sundries, 13.34	85 74
Weir Douglas: Bromide enlargements, 14, 14.00; Wood, J.: Lath, 4.00	18.00
Wausan Quartx Co.: Sand, 2.63; Whitall Tatum & Co.: Drugs & chems., 76.73	79 36
Westminister Co.: Sub. 2.50; West Disinfecting Co.: Regenerator, 27.50	30 00
Williams, Geo.: Ice cream, 19.25; bread & biscuits, 34.36; fruit, confec'y., etc., 45.53	99 14
Woolverton, L.: Peaches, 8.50; pears, 6.00	14 50
World Dustless Brush Co.: Floor brushes	9 00
Westervelt, A. P.: Advtg. in Winter Fair premium list	15 00
Young, J. B.: Staty., etc., 7.00; Y. M. C. A.: Advtg., 13.50	20 50
Young, Wm.: Services guard re quarantine, 28.00; Young, F.: Photos, 7.00	35 00
Zavitz, C. A.: Coal, 7-1820 tons, at 5.54, 44.12; cartage, 3.90; trav. exps., 2.85	50 87
Zavitz, E. J.: Trav. expenses	76 65

(*Revenue*, $19,184.69, *See Statement No.* 7.)

MAINTENANCE ($3,184.57).

Castings, repairs, etc.:—H. Occomore, 86.84; Goldie & McCulloch, 31.00; Guelph Electrical Works, 4.50; A. Robertson & Son, 80.11; Jas. Steele, 2.30; F. Smith, 8.75; Jas. Morrison Brass Mfg. Co.: 141.56; Kleopfer & Co., 1.33; Taylor-Forbes Co., .75; Geo. Harper, 1.15; Jas. Sweeney, .50; Mahoney Bros., .20; R. Barker, 5.20; Marlock Bros., 7.25; McConnell's Carriage Works, 14.55; Standard White Lime Co., 7.65; W. Nelson, 1.82; C. L. Nelles, 35.94; Mineral Wool & Asbestos Co., 20.14; R. W. Philips, 1.60; H. & D. Sallows, 20.63; W. King, 5.10; Thos. Foster, 7.77; W. McLaren & Co.: .50; J. A. Tovell, 6.50; W. Herod, .35; W. Sunley, 20.70; Geo. Beattie, 2.35; Crowe's Iron Works, 4.94; Guelph Pavement Co., 5.00; Jno. Kennedy, 2.05; G. D. Pringle, 2.90; Reid & Ross, 22.70; R. H. Barber, 3.00; W. A. Clark, 3.50; R. Barker, 2.75; Nordheimer Piano Co., 5.00; C. W. Kelly, 2.00; W. Bruce, 6.75; F. H. Reid, .40	578 03
Furnishings, etc.: J. A. McCrea, 213.36; G. B. Ryan & Co., 394.78; D. E. Macdonald & Bros., 37.08; E. Henry, 2.25; J. M. Struthers, 9.00; S. & G. Penfold, 1.00; Milwaukee Brush Co., 10.75; T. Eaton Co., 19.04; Guelph Electric Co., 1.25; Ontario Seed Co., .25; Jas. Mills, 204.00; W. H. Beattie, 1.25; Jno. Kay Son & Co., 63.27; W. Herod, 1.35; R. Simpson Co., 4.05; Agricultural Seed Co., .75; Office Specialty Co., 25.00; D. R. Rowen, .20; Jno. Groom, 1.45; A. T. Wiley & Co., 5.85; Wood's Fair, 1.10; Keleher & Hendley, 2.00; R. K. Monkman, 5.20; Jno. Davidson, 164.95; Fletcher Mfg., Co., 2.35; Waters Bros., 1.50; J. C. Mundell & Co, 9.50; Royal City Rag & Metal Co., .25; Barrie Wickerwork Mfg. Co., 11.55	1,194 33
Lumber: H. A. Clemens & Co., 41.96; Robt. Stewart, 64.03	105 99
Hardware: G. B. Morris, 398.24; J. M. Bond & Co., 81.52	479 76
Electric Boiler Compound Co.: Oil, etc., 47.70; Guelph Light and Power Co.: light, 29.64	77 34
Nordheimer Piano Co.: Piano	300 00
F. Green: Temporary assistance in boiler room	28 80
Sundry persons: Labor, 7.24; Geo. Duncan, whitewashing	39 20
Painting, etc.: M. O'Donell, 77.70; T. A. Cornie, 179.50	257 20
T. J. Day: Stationery, etc., 63.31; Collector of Customs, duty charges, 2.80	66 11
Express Charges: Dom. Express Co., 5.55; Can. Express Co., 16.18	21 73
Freight Charges: G. T. Railway Co., 33.49; C. P. Railway Co., 2.59	36 08

AGRICULTURE.—*Continued.*

MACDONALD INSTITUTE AND HALL.

Salaries ($2,691.71).

W. H. Muldrew:	Ten months' salary as	Dean	1,166 00
M. U. Watson:	Twelve do	Lady Principal	1,200 00
E. T. Fuller:	Six do	Lady Superintendent	350 00
K. Lyman:	Eight do	Instructor in Science	600 00
H. Given:	Twelve do	do Domestic Science	800 00
H. Holland:	do	do do	550 00
Jno. Evans:	do	do Manual Training	1,200 00
Grace Robarts:	Six do	Domestic Arts Teacher	357 00
A. Ross:	Two do	Lecturer in Physiology	100 00
J. W. Hagan:	do	Demonstrator in Biology	116 00
J. M. Kennedy:	Five do	Housekeeper	187 50
M. Dougherty:	Three do	Stenographer	75 00
M. Johnston:	One do	do	25 00
M. Adroskie:	Four do	do	150 00
A. Clark:	Twelve do	Engineer	528 00
W. C. Walker:	One do	Gardener	50 00
Pay lists: Wages, laundresses, janitors, maids, etc.			1,237 21

Expenses ($8,133.09).

Ainsworth & Menzies: Furnishings, 2.20; Bennett & Wright Co.: castings, etc., 2.72	4 92
Brentanos: Books, 4.15; Briggs, Wm.: books, 205.31	209 46
Burger, Wm.: Services, caretaker, 10.00; Buchanan, J.: pen drawings, 5.00;	15 00
Booth, D. H.: Group photo, 1.10; Bond, J. M. & Co.: hardware, 10.24	11 34
Brown Bros.: Manilla paper, 14.10; stationery, 4.50	18 60
Bell Tel. Co.: Messages, 32.45; Bursar: to pay sundries, 9.70	42 15
Clemens, H. A. & Co.: Lumber, 70.27; Cornie, T. A.: painting & papering, 38.70	108 97
Catto, Jno. & Son: Table cloths, 2, 16.00; bath towels, 2, 1.60	17 60
Castner, Curran & Bullitt: Coal, 234 tons, 1,800 lbs., @ 3.50, 822.16; Cloke, J. G.: ink, .50	822 66
Cray, M. F.: Coal, 1 ton, 7.00; blocks, ½ cord, 4.00	11 00
Can. Typewriter Co.: Typewriter supplies, 3.60; C. P. R. Tel Co: telegrams, 1.29	4 89
Collector of Customs: Duty charges, 19.78; duty charges on coal, 125.32	145 10
Can. Express Co.: Charges, 61.15; C. P. Railway Co.: freight charges, 4.36	65 51
Dafoe, M. N.: Floor brushes, 3.25; Dom. Express Co.: charges, 8.10	11 35
Dominion Phelps, Ltd.: Sub. "Good Housekeeping," .75; T. J. Day: staty., etc., 75.32	76 07
Dairy School: Milk and cream, 197.73; butter: 1,276 lbs., 259.24	456 97
Elliott & Son Co.: Wallpaper, 16.20; Educational Pub. Coy: books, .80	17 00
Evans, Jno.: Trav. expenses	10 05
Electric Boiler Compound Co.: Floor oil, 3.40; cotton waste, 3.25	6 65
Freshwater, F.: Services sewing, 26.75; Farmer's Advocate: sub., 1.00	27 75
Fuller, K. T.: Trav. expenses	26 40
Goldie, Jas. Co.: Flour, 118.94; Gunn's Ltd.: bacon & hams, 589 lbs., 70.22	189 16
Globe-Wernicke Co.: Cards for fyling, 18.07; Gowdy Bros.: tile, 2.25	20 32
Guelph Cartage Co.: Cartage of coal, 120.96; Gazette Pubg. Co.: sub. 1.00	121 96
Guelph Radial Ry. Co.: Cartage of coal, 30.00; G. N. W. Tel Co.: telegrams, 29.56	59 56
Guelph Steam Laundry: Laundrying, 24.74; Gummer, H.: Copies of papers, 4.37	29 11
Guelph Light & Power Dept.: Electric light, 116.82; G. T. Ry. Co.: freight charges 13.19	130 01
Herald Ptg. Co.: Advtg., 1.28; Hill, "The Mover": cartage, 16.00	17 28
Hayhoe, R. B. & Co.: Tea, 80.45; Ham. Stamp & Stencil Works: rubber stamps, etc., 2.70	83 15
Hoodless, A.: Trav. exps., 36.65; services re Domestic Science, 400.00	436 65
Horticultural Dept.: Vegetables, 2.15; Hills, Jessie: lesson in laundrying, 24.00	26 15
International Ry. Pubg. Co.: sub	1 00
Kay, Jno. Son & Co.: Rugs, 35.75; Kaiser, L. M.: order books, 7.00	42 75
Kloepfer & Co.: Coal @ 6.75, 114.07; Kennedy, J. M.: trav. exps., 5.75	119 82
Library Supply Co.: Books, 174.11; Law, Jas.: furnishings, 3.80	177 91
Metropolitan Soap Works: Ldry. soap, 166 lbs., 11.62; Moore, R. M.: sub., 2.00	13 62
Marshall, P.: Eggs, 72 doz., 15.12; Marriott, Jno.: uniforms, aprons, etc., 35.36	50 48
Morris, Geo. B.: Iron hardware, etc., 237.18; Morlock Bros.: Upholstering, 7.25	244 43

AGRICULTURE.—*Continued.*

MACDONALD INSTITUTE AND HALL.—*Continued.*

EXPENSES,—*Concluded.*

Malcomson, Alex. Y.: Soft coal, 32 tons, 800 lbs., @ 3.55, 115.02; Mitchell, A. M.: cab hire, 3.50 .... 118 52
Murray, W. A. & Co.: Furnishings, 1.80; Muldrew, W. H.: trav. exp., 25.30 .... 27 10
Mills, Jas.: Trav. exps., 119.08; Muldrew, Mrs. W. H.: books, 60.40 .... 179 48
McCrea, J. A.: Sugar, 3.412 lbs., 130.72; starch, 204 lbs., 13.42; sal. soda, 375 lbs., 3.75; soap, 103.80; bowls, 3 doz., 13.50; asst'd crocks, 4 doz., 27.36; matches, 1 case, 4.00; sundries, 496.44; lard, 20 lbs., 2.00; chinaware, 14.42; eggs, 391 doz., 89.29; flour, 1 bbl., 5.25; brooms, 1 doz., 2.40; oranges, 26 doz., 6.80; bkg. powder, 7½ doz., 21.05; gelatine, 6 doz., 9.00; coal oil, 47 gals., 11.28; fruit jars, 51.00; cheese, 78 lbs., 7.41; breakfast foods, 31.40; rice, 100 lbs., 3.50; tapioca, 100 lbs., 3.50; sago, 100 lbs., 4.00; macaroni, 50 pkgs., 5.00; salmon, 8 doz., 10.80; fish, 749 lbs., 71.50; canned vegetables, 58 doz., 56.00; prunes, 150 lbs., 9.00; raisins, 36 lbs., 2.52; peaches, 38.75; currants, 82 lbs., 4.51; extracts, 6.90; potatoes, 126 bags, 124.24; plums, 6.00; coffee, 90 lbs., 28.50; pears, 7.70; biscuits, 4.73 .... 1,431 44
McNaughton, P.: Potatoes, 10 bags, 11.50; McIntosh & Galbraith; printing, etc., 285.35 .... 296 85
Macdonald, D. E. & Bro.: Sundry furnishings, 6.69; McKnight: Services trained nurse, 7.50 .... 14 19
McCredie, A. L.: Preparing copy for press 25 00
Nelles, C. L.: Stationery, etc., 64.47; Nunan, F.: printing & bdg., 53.25 .... 117 72
Ontario Pub. Co.: Sub., "Can. Magazine," 1.67; O. A. C. monthly: Advtg., 4.50 .... 6 17
Occomore, H. & Co.: Iron, tinware, etc., 40.86; O'Donell, M.: carpentering, 42.55 .... 83 41
Ontario Agricultural Seed Co.: Flower pots, .90; Office Specialty Co.: filing cards, etc., 50.75 .... 51 65
Poultry Dept.: Poultry, 12.96; Parisian Laundry: laundrying, 560.33 .... 573 29
Petrie, A. B.: Drugs and chemicals, 1.23; Postmaster; postage stamps, 71.00 .... 72 23
Queen's Quarterly Pub. Com: Sub 1 00
Ryan, G. B. & Co.: Furnishings, 37.67; Ryrie Bros.: stationery, etc., 12.50 .... 50 17
Robarts, G.: Trav. exps., 93.00; Russell, H.: eggs, 36 doz., 7.20 .... 100 20
Robertson, A. & Son.: Repg. hydrant 3 65
Simpson, Robt. Co.: Furnishings, etc., 74.51; Scott & Tierney: stationery, 1.65 .... 76 16
Stewart, Robt.: Lumber, 3.00; Sunley, Wm.: iron, tinware, etc., 9.70 .... 12 70
Stewart, Alex.: Drugs and chemicals, 155.21; Sam Lee King: Laundrying, 31.25 .... 186 46
Sutherland, W.: Books, 4.50; Steinberger, Hendry Co.: Books, supplies, etc., 32.45 .... 36 95
Spectator Ptg. Co.: Advtg., .87; Sundry persons: wages, cleaning, etc., 137.39 .... 138 26
Sundry servants: Refund of fares, 16.95; Standard Vinegar Co.: vinegar, 54 gals., 11.99 28 94
Strong, Isabel: Demonstrator in Dom. Science, 10.00; Singer Mfg. Co.: sewing machine needles, 2.40 .... 12 40
Times Printing Co.: Advtg., 1.05; Tyson, A. W.: meat, 334.96 .... 336 01
United Factories: Brushes, brooms, etc. 90 59
United Typewriter Co.: Typewriter, 115.00; carbon paper, 8.50 .... 123 50
Vannevar & Co.: Books, 3.75; Van Rensselaer, M.: subs. magazines, etc., 16.85 .... 20 60
Williams, Geo.: Sundry groceries, 3.90; Wood-Allen Pub. Co.: books, 4.75 .... 8 65
Watson, M. U.: Trav. expenses 33 95
Young, Jno. B.: stationery, etc. 3 05

(*Revenue*, $6,815.40. *See Statement No.* 7.)

EXPERIMENTAL FARM AND FEEDING.

SALARIES ($4,595.91).

D. Douglas	Twelve	months'	salary as	Foreman 700 00
A. Milne	Ten & one-half	do		Teamster 359 96
F. Finnegan	Eight & one-half	do		do 263 76
J. Masson	Twelve	do		Cattleman 432 00

AGRICULTURE.—*Continued.*

EXPERIMENTAL FARM AND FEEDING.—*Continued.*

SALARIES.—*Continued.*

A. Masson	Eight months'	salary as	Asst. Cattleman	280 00
J. Mutrie	Twelve	do	Laborer	420 00
G. Collins	Three	do	Asst. Herdsman	136 00
J. Johnston	One	do	Experimental Feeder	24 86
Geo. Zinn	Eleven & one-half	do	do	395 43
E. Powell	Twelve	do	Depart'l Stenographer	130 00
Pay lists: Wages farm laborers, teamsters, etc.				1,453 90

EXPENSES ($12,746.64).

Arkell Saw Mill: Chopping grain, 4.74; Arkell, H. & Son: Exps. *re* stock, 4.00	8 74
Sundry Assns.: Registration of stock:— Am. Shropshire Registry Assn., 6.00; Am. Orford Down Assn., 6.28; *Am. Hereford Record*, 9.59; Am. Leicester Breeders' Assn., 7.31; Am. Galloway Breeders' Assn., 1.28; Am. Aberdeen-Angus Breeders' Assn., 21.50	51 96
Barber, A.: Steers (35), 1,848.54; lambs (3), 21.50	1,870 04
Barber, W. F.: Pigs, (86), 258.00; Buttar, Thos. A.: Shropshire ewes (2), 64.02	322 02
Bollert, E. & Co.: Sheeting, bags, etc., 9.00; Beattie, Geo.: Repg. harness, etc., 46.70	55 70
Brown, G. W. & Bro.: Repg. roof, 2.10; Bond, J. M. & Co.: Iron hardware, etc., 46.38	48 48
Bruce, John A. & Co.: Seeds, etc., 22.06; Bell Telephone Co.: Messages, 3.30	25 36
Carter, Wm.: Barley, 196 bus., 88.08; oats, 1,051 bus., 367.60	455 68
Cargill, H. & Son: Shorthorn heifers (2), 285.00; Clemens, H. A. Co.: Lumber, 35.39	320 39
Can. Typewriter Co.: Typewriter supplies, 3.75; Cornie, T. A.: Papering, etc., 60.50	64 25
Collector of Customs: Duty charges, 11.80; Can. Express Co.: Charges, 8.55	20 35
C. P. R. Telegraph Co.: Telegrams, .25; C. P. Railway Co.: Freight charges, 23.03	23 28
Dickson, J. R.: Pigs (5), 12.50; Douglas, Jno.: Pigs (7), 23.00	35 50
Day, T. J.: Staty., etc., 7.65; Dom Express Co.: Charges, .60	8 25
Day, G. E.: Trav. exps., *re* stock, 42.70; trav. exps., to England, 500.00	542 70
Dryden, Hon. J.: Trav. expenses to England	200 00
Eureka Mineral Wool & Asbestos Co.: Pipe covering, etc.	21 95
Ferguson, Col. W. S.: Leicester ewes (5), 123.10; Leicester ram, 73.86; Aberdeen-Angus bull, 295.46; Aberdeen-Angus cow and calf, 344.67	837 09
Goldie, Jas. Co.: Bran, 19½ tons, 330.00; Middlings, 19 tons, 368.00	698 00
Green, Geo.: Berkshire boar, 25.00; Gowdy Bros.: Tile, 1.50	26 50
Goldie & McCulloch Co.: Repairs to boiler, 6.50; Guelph Foundry Co.: Castings, 2.22	8 72
Guelph Pavement Co.: Pavement, 141.85; Grant, T. F.: Repairs, 8.50	150 35
G. T. Ry. Co.: Freight charges, 119.62; G. N. W. Tel. Co.: Telegrams, 1.55	121 17
Hunter, W. H.: Hereford bull, 800.00; Hall, Wm.: Horses, 1 team, 500.00	1,300 00
Hewer, Jas.: Oil cake, 2,400 lb., 34.60; rock salt, 1,265 lbs., 8.63; seeds, 12.95; charcoal, 1.00	57 18
Hooper's Livery Stable: Clipping horse, 1.50; Hewitt, F.: Sand, 1.00	2 50
Jarvis, H.: Inspection of scales	6 00
Krouse, F. W.: Pigs (30), 120.00; Kennedy, Jno.: Repairs, 1.05	121 05
Mansell, Alfred & Co.: Shropshire ewes (4), 123.10; Hereford heifers (2), 984.81; exps. of shipment of 12 sheep and 6 cattle and insurance on same, 306.20	1,414 11
Mundell, J. C. & Co.: Office chair, 9.50; Morris Harness Sup. Co.: Harness repairs, 6.75	16 25
Morris, G. B.: Iron h'd're, etc., 311.88; Morrison, Jas. Mfg. Co.: Reps., castings, &c., 39.60	351 48
Maxwell, D. & Sons: Castings, .39; Miller, R.: Exps. re importation of stock, 229.60	229 99
Massey Harris Co.: Farm implements, 110.75; repairs, 25.96	136 71
Milne, Alex.: Trav. exps., 1.05; pigs (13), 52.00	53 05
McCrea, J. A.: Salt, 2 bbls., 2.60; McConnell, A. M.: Sand, 2.00	4 60
McIntosh & Galbraith: Ptg & staty., 67.60; McConnell's Carriage Works: Repairs, 2.50	70 10
McQueen, Jno.: Corn planter, 55.00; repairs, 3.70	58 70
Nock, E.: Shropshire ram, 98.48; Nelles, C. L.: Wall paper, 14.22	112 70
Ont. Agricultural Seed Co.: Seeds, 6.00; O'Donell, M.: Carpentering, 122.30	128 30
Occomore, H. & Co.: Repairs	23 80
Phillips, R. W.: Repg. water pipe, etc., 6.50; Penfold, S. & G.; Repg. troughs, etc., 44.65	51 15
Postmaster: Postage stamps,	25 00
Rennie, Wm.: Seeds, 23.80; Ryan, G. B. & Co.: Linoleum, 12.90	36 70
Reid & Ross: Blacksmithing, etc., 18.95; Robertson, A. & Son: Repg. boilers, 10.50	29 45
Rumford, A.: Iron, tinware, etc., .50; Reed, J. H., V.S.: services & medicines, 14.60	15 10
Smith, A. W.: Ewes (2), 80.00; Simpson, R. Co.: Wall paper, 52.08	132 08

AGRICULTURE.—*Continued.*

EXPERIMENTAL FARM AND FEEDING.—*Continued.*

EXPENSES.—*Concluded.*

Standard White Lime Co.: Lime, 2.74; Smith, F.: Repairs, castings, etc., 44.60	47 34
Steele, Briggs Seed Co.: Seeds, etc., 139.10; Swift & Co.: Feed for stock, 36.25	175 35
Stewart, R.: Lumber, etc., 137.84; Stewart, A.: Drugs, etc., 24.58	162 42
Smith, L. C.: Farm implements, 49.00; Sallows, H. & D.: Horseshoeing, etc., 65.20	114 20
Tolton Bros.: Repairs, 23.05; Toronto & Hamilton Electric Co.: Motor, 70.00	93 05
Taylor & Mackenzie: Repairs, 1.60; Twigg, C. B.: Repairs, 4.80	6 40
White, Alex.: Steers (2), 195.45; White, Geo. & Sons Co.: Threshing Machine, 800.00	995 45
Watson Mnfg. Co.: Repairs, 1.00; Wade, H.: Reg. fees, 32..00	33 00
Willis, J. D.: Shorthorn heifer, 738.61; Wade, H.: Reg. fees, 32.00	33 00
Whitelaw, A. & W.: Exps. re stock, 14.00; steer (1), 50.00	64 00
Wortman & Ward Co.: Repairs, .34; Waterous Engine W'ks Co.: Repairs to eng., 23.70	24 04

(*Revenue*, $4,651.95. *See Statement No.* 7.)

FIELD EXPERIMENTS.

SALARIES ($7,316.05).

C. A. Zavitz	Twelve months'	salary as	Director	1,9[illegible]0 00
W. J. Bell	Five & one-half	do	Assistant Director	2[illegible]9 50
W. J. Squirrell	Six	do	do	300 00
J. Buchanan		do	Demonstrator Field Husbandry	500 00
do			Specialist Plant Breeding	350 00
W. J. Squirrell		do	do do	35[illegible] 00
M. Laughlin	Ten	do	Stenographer	281 10
M. Anderson	One	do	do	26 00
A. E. Whiteside	Twelve	do	Foreman	700 00
A. Cumming		do	Teamster	420 00
D. Luttrell	Five & one-half	do	do	192 50
G. Bard	Twelve	do	Laborer	387 30
M. Macdonald	One	do	Stenographer	23 33
Pay lists: Wages, laborers, etc.				1,656 32

EXPENSES ($2,103.49).

Anderson, E. I.: Services stenographer, 16.00; Anderson, C. & Co.: Staty., .55	16 55
American Abell Engine & Thresher Co.: Repairs	3 00
Beattie, Geo.: Harness repairs, 11.65; Briggs, Wm.: Staty., 8.50	20 15
Baker, R. G.: Photo supplies, .95; Bollert, E. R. & Co.: Sheeting, 1.45	2 40
Bond, J. M. & Co.: Iron hardware, etc., .30; Bell Tel. Co.: Messages, .55	85
Clemens, H. A. & Co.: Lumber, etc., 41.60; Can. Typewriter Co.: Typewriter sup., 9.75	51 35
C. P. Railway Co.: Freight charges, 9.63; Can. Express Co.: Charges, 23.45	33 08
Collector of Customs: Duty charges	14 57
Day, T. J.: Staty., postage stamps, etc., 51.00; Dom. Express Co.: Exp. charges, 21.86	72 86
Eureka Planter Co.: Drill & hoes, 9.20; Eureka Mfg. Co.: Grain grader, 30 00	39 20
Guelph Light & Power Dept.: Pole line, wiring switches, etc., 89.07; repairs, 3.50	92 57
Guelph Paper Co.: Twine & envelopes, etc., 14.76; Guelph Foundry Co.: Castings, 2.21	16 97
G. T. Railway Co.: Freight charges	21 59
Hurndall, F.: Photos, 1.60; Home, Robt.: Table cover, 7.00	8 60
Hewer, Jas.: Furnishings	16 50
Johnston, R.: Bags (200), 10.00; Jones Bros. & Co.: Office desk, 35.00	45 00
Luttrell, D.: Driving waggonette	8 25
Morris, G. B.: Iron hardware, etc., 63.81; Milne, Mrs. A.: Making bags, 3.45	67 26
Morrison, Jas. Brass Mfg. Co.: Electrical fittings, 25.56: Mundel, Jno. C. & Co.: chairs (4), 24.50	50 06
Massey Harris Co.: Thistle cutters & cultivator	32 30
Macdonald, D. E. & Bro.: Duck & cotton, 31.22; McKenzie, Duncan: Horseshoeing, 16.50	47 72
Nelles, Chas. L.: Stationery, tags, etc.	2 80
O'Donnel, M.: Carpentering, 21.05; Occomore, H.: Repg. furnace, etc., 9.35	30 40
Ont. Agricultural Seed Co.: Pop corn	1 15

AGRICULTURE. *Continued*

FIELD EXPERIMENTS.—*Continued.*

EXPENSES.—*Concluded.*

Penfold, S. & G.: Wheelbarrow, 3.50; Potter, Mrs. S.: Wax models, 68.62	72 12
Runstedler, A.: Brush, 2.00; Ryan, G. B. & Co.: Cotton, etc., 5.91	7 91
Reed, J. H., V.S.: Pro services and medicines	1 60
Sundry persons: Manure, 75.50; Savage, B. A.: Harrows, plow & scuffler, 50.00	125 50
Spramotor Co.: Repairs, .75; Stewart, R.: Lumber, etc., 71.59	72 34
Stewart, A.: Drugs, etc., 7.76; Smith, F.: Closet, 20.00	27 76
Scott & Tierney: Stationery	29 60
Sundry persons: Seeds:—W. H. Maule, 5.22; Steele, Briggs Seed Co., 24.71; H. Morton, 6.60; T. Teasdale, 11.10; J. M. Thorburn & Co., 2.62; Jno. A. Bruce & Co., 34.32; Wm. Rennie, 23.71; Jas. Hewer & Son, 27.99; H. W. Buckbee & Co., 7.97; Daniels Bros., 14.61; Peter Henderson & Co., 1.87; Sutton & Sons, 11.77; D. M. Ferry & Co., 6.35; A. H. Lapp, 6.40; J. M. T. Curry, 8.45; Geo. Keith, .20; Huntingdon & Page, .26; L. L. Olds, .36; J. H. Gregory & Sons, 2.51; W. A. Paterson, 19.00; Geo. A. Sexsmith, 3.70; E. M. Zavitz, 11.45; Jas. Hunter, 30.64; Jas. Carter & Co., 11.06; J. A. Simmers, 1.35; C. S. Clarke, 15.37; Robt. Evans Seed Co., .85; F. B. Mills, 3.00; Currie Bros., .33; Wm. Ewing & Co., 1.25; Vaughan's Seed Store, 1.00; W. A. Burpee & Co., 2.35; Ford Seed Co., 1.76; D. Landrith Seed Co., 3.72; Jno. A. Salzer Seed Co., 2.15; Darch & Hunter, 2.89; H. N. Hammond Seed Co., 1.90; Livingstone Seed Co., .65; Jas. Vicks Sons, 1.29; T. W. Wood & Sons, 1.60; Johnson & Stokes, 2.45; J. A. Everitt, .80; L. L. May & Co., 1.20; Northrup, King & Co., 2.50; E. F. Dibble, .51; W. W. Barnard & Co., .40; G. W. P. Jerrard Co., 1.00; Iowa Seed Co., 1.35; H. A. Dreer, .93; F. H. Brunning, 4.87; Jos. Harris Co., .90; Ont. Agricultural Seed Co., 10.75; G. J. Thorp, 29.06; C. Dooley, 4.00; J. Tweedle, 8.00; A. Kirsche, .72; G. A. Sexsmith, 6.00; F. B. Stevens & Co., 2.40	397 17
Toronto & Ham. Electric Co.: Motor, 300.00; Tolton Bros.: Repairs, 2.10	302 10
United Typewriter Co.: Typewriter	100 00
Whiteside, A.: Special services plant breeding, 60.00; Waters Bros.: Staty., etc., 1.91	61 91
Zavitz, C. A.: Trav. expenses to St. Louis, 50.30; Zavitz, S. P.: Horse, 160.00	210 30

EXPERIMENTAL DAIRY.

SALARIES ($1,990.13.)

G. Taylor:	Seven and one months'	salary as	Foreman and Buttermaker	375 00
G. E. Knight:	Four and one-half	do	Asst. Buttermaker	161 50
R. W. Stratton:	Seven and one-half	do	Cheesemaker	425 02
J. Montgomery:		do	Engineer	247 50
G. Wilter:	Six	do	Cattleman	216 00
C. S. Wood:	Four and one-half	do	do	162 00
E. Frew:	Eight	do	Stenographer (part time)	144 00
Pay Lists: Wages, laborers, etc.				259 11

EXPENSES ($12,320.61).

Am. Jersey Cattle Club: Registering Stock, 8.06; Amos, Thos.: oats, 66 bu., 19.80	27 86
Anderson, C. & Co.: Stationery, 2.50; Ayer, A. A. & Co.: chemicals, .80	3 30
Ballantyne Dairy Supply Co.: Dairy supplies, 13.05; Bond, J. M. & Co.: iron, hardware, etc., 101.42	114 47
Beattie, Geo.: Repg. harness, 3.90; Bell Tel. Co.: Messages, 1.00	4 90
Castner, Curran & Bullitt: Coal, 66 tons @ 4.30, 283.80; 70 tons, 1,200 lbs., @ 3.50, 247.10	530 90
Commercial Oil Co.: Cyl oil, 26 gals., 21.55; Can. Typewriter Co.: stencil paper, 2.00	23 55
Can. Salt Co.: Salt 12 bbls. 15.70; Can Oil Co.: metal polish, 1 doz, 4.25	19 95
Clemens, H. A. & Co.: Lumber, 18.04; C. P. Railway Co.: freight charges, 22.53	40 57
Can. Express Co.: Exp. charges, 19.10; Creamery Package Co.: dairy supplies, 2.24	21 34
Collector of Customs: Duty charges, 13.18; duty charges on coal, 73.24	86 42
Day, T. J.: Stationery, 2.60; Derbyshire D. & Co., repairs, .75	3 35

AGRICULTURE.—*Continued.*

EXPERIMENTAL DAIRY.—*Continued.*

EXPENSES.—*Concluded.*

Dentonia Park Farm: Jersey heifers, 2, 500.00; Dean, H. H., trav. exps., 3.30	503 30
De Laval Separator Co.: Pulley, treads, repairs, etc., 20.92; Dom. Express Co.: exp. charges, 4.82	25 74
Eureka Mineral Wool & Asbestos Co.: Pipe covering	28 04
Electric Boiler Compound Co.: Packing, 14 lbs., 15.70; boiler compound, 908 lbs., 54.48; oil, 5 gals., 1.75; belt dressing, 6 lbs., 3.00	74 93
Farming World: Advertising, .90; Garlock Packing Co.: packing 5.63	6 53
Goldie, Jas. Co.: Bran, 8 tons, 135.00; Goldie & McCulloch Co.: valves, 4.50	139 50
Guelph Pavement Co.: Cement floor, 296.24; Guelph Light and Power Co.: fire boiler, 8.25	304 49
Guelph Ice Co.: Ice, 11.87; Guelph Soap Co.: soda, 4.48	16 35
Guelph Cartage Co.: Cartage of coal, 55.75; lime and sand, 3.50	59 25
Guelph Foundry Co.: Castings, 2.21; G. T. Railway Co.: freight charges, 19.73	21 94
Holstein-Friesian Assn.: Reg. stock, 7.00; Hanlon Mrs.: oats, 91 bu., 29.24	36 24
Hewer, Jas.: Rock salt, 2.045 lbs., 14.30; oil cake, 2,000 lbs., 28.00; hay, 2.34	44 64
Jarvis, H.: Inspection of scales	5 00
Kennedy, Jno.: Lime, tile, etc., 15.40; Keil, W. L.: laces, .20	15 60
Kroeschell Bros. Co.: Valves, 3.44; Knight, G. E.: bed and mattrass, 2.00	5 44
London Machinery Co.: Repairs	1 70
Mahoney Bros.: Repg. Closet, 3.30; Morrison, Jas., Mfg. Co.: castings, repairs, etc., 87.31	90 61
Morris, G. B.: Iron, hardware, etc., 43.31; Mason, Wm.: oats, 267 bu., 85.68	128 99
Mitchell, R.: Furnishings, 1.65; Mallory, F. R.: trav. exps., 2.00	3 65
McQueen, J.: Oats, 68 bu., 21.23; McIntosh & Galbraith, order book, 2.75	23 98
McAllister, Geo.: Saw dust, 13.50; McLean & Dawson: repairs, 2.30	15 80
McKenzie, D.: Horseshoeing, 4.00; O'Donell, M.: carpentering, 37.00	41 00
Occomore, H. & Co.: Repairs, 21.51; Pringle, G. D.: rubber stamps, 3.25	24 76
Presant, E. J.: Chopping feed, 9.00; Postmaster: postage stamps, and cards, 22.00	31 00
Rennie, Wm.: Dairy supplies, .50; Richardson, C. & Co.: furnishings, 3.45	3 95
Reed, J. H., V.S.: Pro. services and medicines, 1.25; Rumford, A.: repairs, 2.55	3 80
Reid & Ross: Repairs, 8.25; Robertson, A. & Son: repg. steam trap, 9.45	17 70
Robertson, Jas. Co.: Castings, repairs, etc., 36.64; Ryan, Jas.: exps., buying grain, 1.75	38 39
Standard White Lime Co.: Lime, 7.01; Stevely, Wm. & Son: Milk cans, 60.50	67 51
Smith, F.: Repairs, 2.30; Smith, W. H.: oats, 206 bu., 69.10	71 40
Stewart, R.: Lumber, 2.04; Stewart, A.: drugs, 19.78	21 82
Steinhoff, I. W.: Trav. expenses, 4.00; Sundry persons: Milk suplied, 9,201.00	9,205 00
Toronto Liquid Carbonate Co.: Chemicals, 40.00; Taylor & McKenzie: repairs, 26.45	66 45
Toronto & Hamilton Electric Co.: Motor, 140.00; Taylor Bros., brick and stone, 34.00	174 00
Taylor-Forbes Co.: Sharpening mowers, 1.95; United Typewriter Co.: repairs, 5.40	7 35
Wade, H.: Reg. stock, 1.50; Weekly Sun: advertising, 6.00	7 50
Waterous Engine Works Co.: Engine	100 00
Waddell, A. & Co.: Parchment paper	10 65

(*Revenue*, $11,573.61. *See Statement No.* 7.)

CENTRAL DAIRY SCHOOL.

SALARIES ($1,954.99).

R. W. Stratton:	Four and one-half months'	salary as	Instructor, Cheesemaking	325 00
Alex. McKay:	Three	do	Asst do do	210 00
J. A. McFeeters:	Three and one-half	do	Instructor, Separators	280 00
C. W. McDougall:	One-half	do	do Buttermaking.	25 00
Wm. Waddell:	Three	do	do do	240 00
C. E. Ferguson:	One-half	do	do do	17 50
Laura Rose:	Three	do	do Farm Dairy	225 00
H. Rive:		do	Asst. do do	150 00
J. B. Smith:		do	Engineer	150 00
A. Griffin:	One-half	do	do	17 50
J. Montgomery:	Four and one-half	do	Janitor	148 50
E. Frew:	Four	do	Stenographer (part time)	72 00
Pay Lists: Wages, laborers, etc.				94 49

AGRICULTURE.—*Continued.*

CENTRAL DAIRY SCHOOL.—*Concluded.*

EXPENSES ($8,443.27).

Ayrshire Breeders' Assn.: Membership fees	2 00
Ballantyne Dairy Supply Co.: Dairy appliances, 30.36; Bond, J. M. & Co.: iron, hardware, etc., 14.87	45 23
Castner, Curran & Bullitt: Coal, 85 tons @ 4.30	368 30
Clemens, H. A. & Co.: Lumber, 51.10; Can. Typewriter Co.: neostyle supplies, 6.85	57 95
Creamery Package Mfg. Co.: Dairy appliances	8 41
Collector of Customs: Duty charges, 4.35; duty chgs. on coal, 69.30	73 65
Can. Express Co.: Express charges, 13.60; C. P. Railway Co.: freight charges, 1.49	15 09
Darch & Hunter: Parchment paper, 25.00; Dempsey Bros., papering & painting, 32.25	57 25
Dean, H. H.: Trav. expenses, 18.20; Dairymen's Assn: advtg, 10.00	28 20
Day, T. J.: Stationery, 8.23; Dodge Mfg. Co.: rope, 46.26	54 49
De Laval Separator Co.: Dairy appliances, 5.45; Derbyshire D.: exps., *re* opening day, 5.00	10 45
Duncan, Geo.: Whitewashing, 19.00; Dom Express Co.: exp. charges, .55	19 55
Electric Boiler Compound Co.: Cyl oil, 20.00; packing, 6.00	26 00
Fairmont Coal Co.: Coal 41½ tons, @ 3.75, 155.63; less freight, 91.93	63 70
Guelph Pavement Co.: Cement floor, 300.00; Guelph Cartage Co.: cartage of coal, 44.99	344 99
Guelph Soap Co.: Soap, 3.50; Gummer, H.: advtg., 3.00	6 50
Grip "Ltd": Printing, 7.88; G. N. W. Tel. Co., telegrams, .50	8 38
G. T. Railway Co.: Freight chgs. on coal, 92.27; freight charges, 9.71	101 98
Hansen's Laboratory: Dairy appliances, .75; Hurndall, F.: photo supplies, 10.00	10 75
Harvie, A. F.: Exps. *re* opening day, 8.00; Holman, J.: painting, 54.75	62 75
Kuhl, R. J.: Trav. expenses, 2.50; Kennedy, P. B.: photos, .75	3 25
Kroeschell Bros. Ice Machine Co.: appliances and repairs	33 29
Morris, G. B.: Iron hardware, etc., 71.23; Moldenhawer, J.: books, 1.50	72 73
McIntosh & Galbraith: Butter paper, 15.00; advtg., 1.60; printing circulars, 65.80	82 40
Nettleton, J.: Instructor in cheesemaking, 40.00; Nafis, L. F. & Co.: dairy appliances, 43.80	83 80
O'Donell, M.: Carpentering, 1.85; Occomore, H. & Co.: repairs, 6.05	7 90
O. A. C. Review: Advtg., 7.50; Pike, D. Co.: shipping tent, 2.50	10 00
Postmaster: Postage stamps, 31.00; Royal City Bottling Works: chemicals, 3.75	34 75
Reeves Pulley Mfg. Co.: Pulley, 1.14; Rothwell, R. A.: trav. expenses, 3.70	4 84
Richardson, C. & Co.: Churn, 140.00; appliances, 2.25	142 25
Rose, Laura: Services, instructor buttermaking	57 00
Standard White Lime Co.: Lime, .25; Stewart, A., drugs, 6.90	7 15
Stevely, Wm. & Son; Milk cans, 15.75; sundry persons, milk supplied, 6,452.43	6,468 18
Steinhoff, I. W.: Trav. expenses	4 00
Taylor & McKenzie: Rapairs, 20.66; Toronto Liquid Carbonate Co.: chemicals, 10.00	30 66
United Typewriter Co.: Typewriter and Neostyle supplies	11 45
Woodward, A. W.: Exps. judging cheese and butter, 23.00; Welch, Jno.: cab hire, 1.00	24 00

(*Revenue*, $4,766.37. *See Statement No.* 7.)

POULTRY DEPARTMENT ($2,403.04).

E. Frew: Twelve months' salary as Stenographer (part time)	108 00
Pay lists: Wages, laborers, etc.	348 41
Anderson, C. & Co.: Stationery	11 42
Bond, J. M. & Co.: Hardwarae, .15; Barclay, Jno.: poultry feed, 110.48	110 63
Carter, Wm.: Poultry feed, 251.32; Cray Oil Co.: coal oil, 190 gals., 43.70	295 02
Cray, M. F.: Coal, 2 tons, 300 lbs. @ 6.75, 14.51; Clemens, H. A. & Co.: lumber, 19.15	33 66
Cyphers Incubator Co.: Books, 8.40; Can. Typewriter Co.: typewriting supplies, 3.00	11 40
Cornie, T. A.: Painting & papering, 100.00; C. P. Railway Co.: freight charges, 1.17	101 17
Can. Express Co.: Exp. charges, 18.15; Coll. of Customs, duty charges, 8.20	26 35
C. P. R. Tel. Co.: Telegrams, .25; Day, T. J.: stationery, 5.13	5 38
Daniels, C. J.: Repairs and furnishings, 10.50; thermometers, 1 doz., 4.10; hatcher, 6.00; poultry feed, 9.00	29 60
Dom. Express Co.: Exp. charges, 7.92; Eimer & Amend, gas holder, 19.25	27 17
Evans, Robt., Seed Co.: Brooder stoves	2 50
Guelph Ice Co.: Ice, 7.87; Groom, Jno.: repairs, .40	8 27

AGRICULTURE.—*Continued.*

POULTRY DEPARTMENT.—*Concluded.*

Guelph Cartage Co.: Cartage of coal, 4.10; G. N. W. Tel. Co.: telegrams, 1.51 .... 5 61
G. T. Railway Co.: Freight chgs., 16.11; freight chgs., on coal, 9.67 .. .. 25 78
Hales, A.: Poultry feed, 33.65; Hewer, Jas.: Poultry feed, 218.38 ..... 252 03
Howitt, J.: Sand 2 00
Kennedy, Jno.: Coal, 4-950 tons at 6.75 .. .. 30 72
Kloepfer & Co.: Coal, 9 tons, at 5.20 .. .. 46 80
Morgan, A. J.: Poultry feed, 42.50; furnishings, 36.70; incubator, 8.75; brooders, 14.00 101 95
Morris, G. B.: Iron hardware, etc., 51.08; Macdonald, D. E. & Bro.: Furnishings, 4.94 56 02
McCrea, J. A.: Brooms, ½ doz., 1.25; McIntosh & Galbraith: Ptg. & staty., 46.00..... 47 25
Ont. Agricultural Seed Co.: Egg crates, 2.00; seeds, 15.20 .. .. 17 20
O'Donell, M.: Carpentering, 11.40; Presant, E. J.: Chopping feed, .18 ..... 11 58
Postmaster: Postage stamps, 33.00; Rumford, A.: Repairs, 2.15 .. .. 35 15
Swift & Co.: Poultry feed, 17.50; Sutherland, Jno.: Poultry feed, 42.00 ..... 59 50
Stewart, A.: Drugs, etc., 11.77; Stewart, R.: Lumber, 4.63 .. .. 16 40
Sprouted Food Co.: Sprouting machine, 20.00; Sunley, Wm.: Repairs, 12.10 ..... 32 10
Standard White Lime Co.: Lime 1 47
Sundry persons: Poultry & setting eggs:—F. W. Krouse, 37.73; Scanlon Bros.. 3.00;
C. J. Daniels, 4.00; Thos. Brown, 63.31; J. M. Chustup, 9.44; J. Gordon, 5.43;
J. E. Mounce, 39.13; W. H. Fielding, 15.76; Thos. Shea, 13.00; S. D. Furminger, 6.00;
Jas. Philpot, 15.00; Col. McCrea, 29.16; C. McDougall, 20.00; Jas. Starkey, 12.32;
R. M. Hobson, 13.56; J. H. Warrington, 5.00; H. McNally, 3.92; L. H. Baldwin, 24.16;
M. Dodds, 6.30; A. G. Goodacre, 5.00; Jno. S. Martin, 10.00; H. A. Hagen, 6.00;
W. J. Bell, 10.00; H. McDougall, 16.88; W. Stagg, 32.50; D. McCrea, 6.75;
A. L. Laing, 2.60; Alex. Smith, 5.95; Geo. Peer, 55.00; J. D. Clark, 8.32;
J. McRobbie, 3.92; D. J. McLean, 9.36; M. McNaughton, 7.28; M. Laird, 4.72;
F. Law, 3.30; H. Leadley, 2.73; T. Burton, 6.12; Alex. Young, 6.00 ..... 528 65
Thorp, Geo. J.: Poultry feed, 1.80; Taylor-Forbes Co.: Repg. mowers, .75 ..... 2 55
Taylor & McKenzie: Repairs, 2.10: United Typewriter Co.: Supplies, 9.20 ..... 11 30

(*Revenue*, $906.68. *See Statement No.* 7.)

HORTICULTURAL DEPARTMENT.

Salaries ($4,094.02).

W. Squirrell	Twelve months' salary as	Gardener and Foreman ..	750 00
W. Hunt	do	Florist	650 00
W. Wells	do	Asst. Florist	450 00
J. McGillivray	do	Teamster	407 12
Geo. Ritchie	Nine	do do	315 00
A. W. Bruce	Twelve	do Stenographer (part time)	75 00
Pay lists: Wages, laborers, etc.			1,446 90

Expenses ($2,683.31).

Anderson, C. & Co.: Stationery 3 60
Bond, J. M. & Co.: Iron hardware, etc., 20.59; Bollert, E. R. & Co.: Furnishings, 7.36 27 95
Beattie, Geo.: Repg. harness, etc., 7.40; harness, 44.00; horse blankets, 1 pr., 4.50 55 90
Brydges, Wm.: Coal, 1-1725 tons, at 7.00, 13.00; Belknap Wagon Co.: Wagon, 30.00 43 00
Crowe's Iron Works: Grates, etc., 9.70; Clemens, H. A. & Co.: Lumber, 15.29 24 99
Cray, M. F.: Coal, 6-90 tons, at 6.75, 40.81; Collector of Customs: Duty charges, 22.73 63 54
Can. Express Co.: Charges 8 30
C. P. Ry. Co.: Freight charges, 4.61; freight charges on coal, 18.68 ..... 23 29
Day, T. J.: Stationery, 16.43; Dom. Express Co.: Charges, 12.73 ..... 29 16
Electric Boiler Compound Co.: Eng. oil, 25 gals., 12.50; Eureka Planter Co.: Hoes, 1.85 14 35
Foster Pottery Co.: Flower pots, 21.16; Guelph Cigar Co.: Tobacco stems, 3.95 25 11
Guelph Paper Co.: Stationery, etc., .59; Guelph Radial Ry. Co.: Cartage of coal, 3.11 3 70
Guelph Light & Power Co.: Elect. light, 27.16; Guelph Teaming Co.: Teaming gravel, 6 00 33 16
Guelph Foundry Co.: Castings, 2.21; Gurney Foundry Co.: Boiler brushes, 12.00 14 21
G. T. Railway Co.: Freight charges, 20.04; freight charges on coal, 9.68 ..... 29 72
Groom, Jno.: Repairs, .80; Glover, W. T.: Berry boxes, crates, etc., 46.00 .... 46 80
Hilborn, W. W.: Melons, 1.50; Hewer, Jas.: Tallow, .25 ..... 1 75
Howitt, J.: Sand, 1.50; Hutt, H. L.: Trav. expenses, 8.75 ..... 10 25
Infallible Exposure Meter Co.: Furnishings 30

AGRICULTURE.—*Concluded.*

HORTICULTURAL DEPARTMENT.—*Concluded.*

EXPENSES.—*Concluded.*

Kennedy, Jno.: Coal, 35-1240 tons at 6.00, 208.32; 31-700 tons at 6.35, 199.07; 33-1315 tons at 6.75, 227.21; Pipe, tile, etc., 22.35 ..... 656 95
Kloepfer & Co.: Coal, 8-1160 tons at 6.75, 57.95; 27-1000 tons at 5.20, 143.00 ..... 200 95
Morris, G. B.: Iron hardware, etc., 53.44; Massey Harris Co.: Repairs, .25 ..... 53 69
Morrison, Jas., Brass Mnfg. Co.: Castings, repairs, etc. 6 90
Morris Harness & Stable Supply Co.: Repairing harness 1 50
McCrea, J. A.: Plates, 7 doz., 5.95; Sundries, .25 ..... 6 20
McLean & Dawson: Repg. lawn mowers, 16.50; McAllister, Jno.: Horses, 1 team, 360.00 376 50
McIntosh & Galbraith: Ptg. stationery, etc. 16 50
New Jersey Moss and Peat Co.: Peat 4 50
O'Donell, M.: Carpentering 10 90
Pringle, G. D.: Photo supplies, 32.85; Postmaster: Postage stamps, 26.00 ..... 58 85
Potter, Mrs. Stanley: Wax models of fruit 366 74
Quaker City Rubber Co.: Hose, 200 feet 24 00
Robertson, A. & Son: Repairs, .80; Reid & Ross: Repairs, 5.25 ..... 6 05
Reed, J. H., V.S.: Pro. services and medicines, 2.35; Runstedler, A.: Brush, 2.00 4 35
Stewart, A.: Drugs, etc., 25.15; Stewart, Robt.: Lumber, 8.87 ..... 34 02
Sallows, H. & D.: Horseshoeing, 13.49; Sunley, Wm.: Repairs, 1.00 ..... 14 49
Sundry persons: Manure, 90.75; Picking fruit, 28.38 ..... 119 13
Spraymotor Co.: Nozzle & valve, 4.13; Steele, Jas.: Waste paper baskets, 6.00; 10 13
Smith, E.: Ladders 4 50
Sundry persons: Plants, seeds, etc.:—Steele, Briggs Seed Co., 20.63; Sutton & Sons, 8.70; Jno. A. Bruce & Co., 18.40; Wm. Rennie, 5.25; H. A. Dreer, .64; Nathan Smith & Son, 11.00; J. A. Simmers, 23.56; R. & J. Farquhar & Co., 3.33; Peter Henderson & Co., 1.28; W. Burpee & Co., 1.85; H. Dale, estate, 5.75; L. Burbank, 2.50; J. M. Thorburn & Co., 22.91; Barr & Sons, 20.43; E. D. Smith, 27.80; E. B. Stevenson, 3.60; Ont. Agric'l Seed Co., 1.00; Jas. Hewer, 25.85; T. C. Thurlow, 5.00 ..... 209 48
Taylor-Forbes Co.: Sharp'g mowers, repairs, etc., 24.20; Taylor & McKenz'e: Rep's, 4.75 28 95
United Typewriter Co.: Stencil paper 1 50
Waters Bro.: Pictures and frames 7 45

(*Revenue*, $2.65. *See Statement No. 7.*)

MECHANICAL DEPARTMENT ($901.05).

E. A. Crawford: Twelve months salary as Mechanical foreman 750 00
Bond, J. M. & Co.: Iron hardware, etc., 6.35; Can. Express Co.: Charges, .60 .. 6 95
G. T. Railway Co.: Freight charges 74
Guelph Light and Power Dept.: Wire screws, etc 3 63
Morris, G. B.: Iron hardware, tools, etc 79 63
MacGregor, Gourlay Co.: Mitre machine 28 50
Occomore, H. & Co.: Repairs 1 65
Vokes Hardware Co.: Hardware tools, etc 29 90

Total Agriculture $446,645 97

HOSPITALS, CHARITIES, SANITARY INVESTIGATIONS, ETC.

HOSPITALS AND CHARITIES ($228,024.37).

The Treasurer:—
General Hospital, Toronto, 12,977.06; Grace Hospital, Toronto, 2,531.08; Sick Children's Hospital, Toronto, 7,361.50; St. Michael's Hospital, Toronto, 8,417.07; Western Hospital, Toronto, 4,255.85; Orthopedic Hospital, Toronto, 1,934.74; St. Joseph's Hospital, Hamilton, 1,492.94; General Hospital, Kingston, 3,149.26; Hotel Dieu Hosp., Kingston, 5,366.44; General Protestant Hosp., Ottawa, 2,608.77; Roman Cath. Hosp., Ottawa, 4,686.11; Misericorde Maternity Hosp., Ottawa, 1,317.94; Sick Children's Hospital, Ottawa, 453.03; Maternity Hospital, Ottawa, 391.72; St. Luke's Hospital, Ottawa, 2,653.21; General Hospital, London, 3,607.91;

HOSPITALS AND CHARITIES, ETC.—*Continued.*

HOSPITALS AND CHARITIES.—*Continued.*

The Treasurer

St. Joseph's Hosp., London, 616.19; General and Marine Hosp., St. Catharines, 800.97; Galt Hospital, Galt, 625.04; General Hospital, Guelph, 2,896.44; St. Joseph's Hospital, Guelph, 1,200.38; General Hospital, Pembroke, 1,369.06; General Hospital, Mattawa, 445.06; J. H. Stratford Hospital, Brantford, 818.03; St. Joseph's Hosp., Port Artthur, 1,448.99; Belleville Hosp., Belleville, 935.46; St. Vincent de Paul Hospital, Brockville, 2,694.57; General Hosp. Brockville, 1,445.49; General & Marine Hosp., Collingwood, 567.12; Nichol's Hosp, Peterboro, 923.38; St. Joseph's Hospital, Peterboro, 1,304.55; Hotel Dieu Hospital, Windsor, 135.24; St. Joseph's Hospital, Chatham, 837.44; General Hospital, Chatham, 1,770.32; General Hospital, Stratford, 411.98; Amasa Wood Hospital, St. Thomas, 129.67; General & Marine Hosp., Owen Sound, 312.96; General Hospital, Sudbury, 456.54; St. Joseph's Hospital, Sudbury, 920.65; General Hospital, Huntsville, 1,051.26; Huntsville Hospital, Huntsville, 1,071.98; Woodstock Hospital, Woodstock, 667.95; Berlin & Waterloo Hospital, Berlin, 557.61; General Hospital, Sarnia, 1,191.3 ; Royal Victoria Hospital, Barrie, 715.21; Hotel Dieu Hospital, Cornwall, 2,347.90; Gen. Hosp., Cornwall, 1,397.56; National Sanitorium, Hosp., Gravenhurst, 5,351.64; General Hospital, Rat Portage, 623.12; St. Joseph's Hospital, Rat Portage, 202 54; General Hospital, Parry Sound, 389.11; General Hosp. Sault Ste. Marie, 2,142.33; Victoria Hospital, Renfrew, 301.87; Victorian Hospital, Thessalon, 181.97; Royal Alexandra Hospital, Fergus, 1,619.50; Ross Memorial Hosp., Lindsay, 550.89; The Cottage Hosp., Pembroke, 224.61; J. McKellar Mem. Hosp., Fort William, 174.18; City Hospital, Hamilton, 2,269.31; House of Industry, Toronto, 3 225.74; House of Providence, Toronto, 11,218.20; Home for Incurables, Toronto, 3,039.63; St. John's Hospital, Toronto, 896.85; The Church Home, Toronto, 613.55; Old Folk's Home, Toronto, 673.82; Good Shepherd Female Refuge, Toronto, 2,079 68; Aged Women's Home, Toronto, 1,404.27; House of Refuge, Hamilton, 2,352.28; Home for Aged Women, Hamilton, 893.97; St. Peter's Home, Hamilton, 614.39; House of Industry, Kingston, 1,039.85; House of Providence, Kingston, 4,872 91; Home for Friendless Women, Kingston, 139.38; R. C. House of Refuge, London, 2,646.77 Convalescent Home, Toronto, 352.04; The Haven, Toronto, 1,709.82; Aged Men's Home, Toronto, 605.78; Home for Aged People, London, 1,807.40; Convalescent Home, London, 121.89; Home for Incurables, London, 541.03; St. Patrick's Refuge, Ottawa, 2,582.58; St. Charles' Hospice, Ottawa, 4,249 25; Home for Aged, Ottawa, 877.17; Refuge Branch Orphan's Home, Ottawa, 490.55; Home for F'dless W'n, Ottawa, 871.73; Ref. of Our Lady of Charity, Ottawa, 4,282.99; Home for Incurables, Ottawa, 516.95; House of Providence, Guelph, 1,647.98; The Thos. Williams Home, St. Thomas, 416.99; House of Providence, Dundas, 3.512.74; Home for the Friendless, Chatham, 327.53; The Widow's Home, Brantford, 299.18; Home for the Friendless, Belleville, 208.88; The Protestant Home, Peterboro, 475.30; House of Providence, Peterboro, 1,088.60; Home for the Friendless, Windsor, 543.55; Home for the Aged & Infirm, Cobourg, 155.68; Home for the Aged, Lindsay, 471.38; St. Paul's Home for the Aged, Cornwall, 1,279.95; Home for the Aged and Infirm, Bowmanvil'e, 235.34; Roman Catholic Orphan Asylum, Toronto, 2,210.06; Girls' Home, Toronto, 670.60; Boys' Home, Toronto, 512.18; The Working Boys' Home, Toronto, 336.62; Infant's Home, Toronto, 815.33; St. Nicholas Home, Toronto, 440 50; Rescue Home for Women, Toronto, 521.55; Children's Shelter, Toronto, 109.04; Industrial Refuge, Toronto, 217.06; St. Mary's Orphan Asylum, Hamilton, 602.40; Protestant Orphan Asylum, Hamilton, 13.56; Boys' Home, Hamilton, 463.70; Girls' Home, Hamilton, 220.02 Home for the Friendless, Hamilton, 303 94; S. A. Rescue Home, Hamilton, 241.40; Orphans' Home, Kingston, 289.22; House of Providence, Kingston, 375.26; Hotel Dieu Orphanage, Kingston, 334.10; Orphans Home, Ottawa, 304.50; St. Patrick's Orphan Asylum, Ottawa, 431.88; St. Joseph's Orphan Asylum, Ottawa, 1,279.46; Rescue Home and Children's Shelter, Ottawa, 598.22; Infant's Home, Ottawa, 255.70; Roman Catholic Orphans' Home, London, 539.88; Protestant Orphans' Home, London, 282.36; Women's Refuge and Infants' Home, London, 208.16; Rescue Home for Women, London, 515.41; St. Agatha Orp. Asy., St. Agatha, 435 72; Pro. Home, Orphanage Br., St. Catharines, 218.84; Orp. Home, Fort William, 402.76; Berlin Orphanage, Berlin, 111.82; L. O. True Blue Orphanage, Picton, 422.80; Protestant Orphans' Home, Toronto, 1,164.38 ..... 191,217 01

Victoria Industrial School, Mimico: Grant towards new building 5.000 00

St. John's Industrial School, Toronto: Grant new Blantyre Home Building 6.000 00

HOSPITALS AND CHARITIES, ETC.—*Continued.*

HOSPITALS AND CHARITIES. *Concluded.*

Legislative Grants:—
Victoria Industrial School, 9,988.25; St. John's Industrial School, 3,010.79; Alexandra Industrial School, 1,345.60; St. Mary's Industrial School, 504.05; Infants' Home & Infirmary, Toronto, 400.00; Can. Humane Society, 1903-04, 500.00; Prisoners' Aid Association, 2,500.00; Victorian Order of Nurses, 2,500.00; Salvation Army Prison Gate W'k., 1,000.00; Treas. Grey Co. House of Refuge, 4,000.00 — 25,748 69
Warwick Bros. & Rutter: Printing, etc., 44.45; Riordon Paper Mills: Paper, 14.22 .... — 58 67

CHILDREN'S AID SOCIETIES ($3,994.78).

Board of Children:—
Mrs. D. Campbell, 98.25; V. A. Cunningham, 1,021.85; Mrs. A. Allen, 83.50; Mrs. Geo. Chamberlain, 37.00; E. E. Sharp, 52.75; St. Nicholas Inst., 3.50; Mrs. W. Galbraith, 25.00; Mrs. R. Campbell, 10.00; Mrs. B. F. Herald, 10.00; St. Michael's Hospital, 47.60; Boys' Home, 48.00; Children's Aid Society, London, 35.00; Mrs. A. Matron, 2.17 .... — 1,474 62
Clothing etc, for Children:—
T. Eaton Co., 336.35; R. Simpson Co., 46.65; St. Leger Shoe Co., 14.14; Trunk and Leather Goods Co., 43 50; Bachrack Co., 3.54; Toronto Industrial Soc'y, 114.50; W. L. Keil, 5.55; E. R. Boilert & Co., 6.00; Mrs. D. Campbell, 5.30; W. J. Carter, 8.50; C. Potter, 6.25; P. Jamieson, 2.00; Chandler & Massey, 2 00 — 594 78
J. F. Brown Co'y, carpet, 2.22; C. P. Industries, beds, 91.00 .... — 93 22
M. Sweet, window blinds, 5.00; Hurlburt, Mills & York, sewing machine, 40.00 .... — 45 00
J. J. Kelso: Disbursements, 18.90; Dr. J. G. Adams: Dentistry, 6.25 .... — 25 15
Services: Dr. Lelia Skinner, 16.00; Dr. E. A. White, 5.00 .... — 21 00
Mrs. V. A. Cunningham: To pay car fares, petty disbursements and allowance for sewing .... — 129 64
Jas. Lediard, hospital expenses of boy .... — 12 80
Interments:—A. Wilson, 20.00; D. Stone, 5.00; B. D. Humphrey, 16.50 .... — 41 50
A. Nevison, services and expenses *re* runaway boy .... — 10 00
A. E. Smyth, article on Reformatory for Boys .... — 15 00
W. Briggs: Books, testaments, etc., 24.60; W. O'Connor: Booklets, 5.00 .... — 29 60
Toronto Humane Soc'y, 50 copies of aims and objects .... — 5 00
U. C. Tract Society: Chart, books, etc., 18.50; J. R. Moir: Camera, 10.50 .... — 29 00
Photos of children, Park Bros., 15.50; A. R. Ward, 2.90; J. W. Bald, 3.50; R. B. Kennedy, 1.00 .... — 22 90
Consumers' Gas Co., gas, 4.48; City of Toronto, taxes, 26.72 .... — 31 20
Harrington Bros.: Glass, 2.50; G. Pearsall: hardware, glass, etc., 5.70 .... — 8 20
Plumbing: Harrison & Robertson, 15.85; J. Wright, 4.65; F. Wallace, 3.00 .... — 23 50
McDonald & Willson: Supplies for range, 2.60; Water Works Dept., water, 8.35 .... — 10 95
Toronto Electric Light Co.: Electric light, 22.31; W. McGill & Co.: fuel, 65.00 .... — 87 31
Elias Rogers Co.: Coal, 75.00; Gas Control Co.: rent of governors, 6.75 .... — 81 75
Cassels, Cassels & Brock: Rent of children's shelter .... — 87 50
D. C. Cunningham: Services as supervisor .... — 360 00
Rev. Jas. Lediard: Services placing children in homes .... — 150 00
Travelling expenses: Rev. Jas. Lediard, 36.70; E. E. Sharpe, 13.20; Jno. Keane, 24.06; V. A. Cunningham, 47.80; Rev. Jas. Webb, 5.00 .... — 126 76
J. J. Kelso: Trav. expenses placing children from Reformatory for Boys .... — 64 35
Fares of children: G. T. Railway Co., 65.30; C. P. Railway Co., 9.20; A. McFadden, 14.20; V. A. Cunningham, 163.10 .... — 251 80
P. Maher: Livery hire, 2.00; Toronto Ry. Co.: car tickets, 5.00 .... — 7 00
Express charges: Can. Transfer Co., .25; Fernley's Express, 2.00; A. Little, 3.00 .... — 5 25
Can. Conference Charities and Correction: Grant *re* printing proceedings .... — 150 00

SANITARY INVESTIGATIONS ($4,573.60.)

Travelling expenses and disbursements:—
Dr. C. A. Hodgetts, 238.75; Dr. J. A. Amyot, 70.75; Dr. R. W. Bell, 63.00 .... — 372 50
Smallpox outbreaks:—
C. P. Railway Co.: Expenses of quarantine, 444.00 ....
Travelling expenses: D. M. Brodie, 26.48; A. McDougall, 18.00 ....
W. S. Piper: Felt, tar paper, etc., 6.05; Elliot & Co.: drugs, 2.45; W. Lloyd Wood, vaccine points, 13.73; Med. services and attendance; Dr. R. H. McArthur, 100.50;

HOSPITALS, AND CHARITIES.—*Concluded.* REPAIRS AND MAINTENANCE.

SANITARY INVESTIGATIONS.—*Concluded.*

Smallpox outbreaks:	
Dr W. W. Birdsall, 200.00; Dr. W. A. Stewart, 141.25; Dr. D. Livingstone, 108.00; exps, 57.60; Dr. F C. Wilson, 225.00; trav. exps., etc., 134.50; Dr. F. E. Watts, 400.00; expenses, 225.30; Dr. R. B. Struthers, 10.00; Dr. A McMurchy, 25.00; J. M. MacNamara, 4.00; Dr. G. E. Marshall, 302.00; expenses and board, 157.05; Ida De Rosier, nurse, 51.00; trav. expenses, 1.15; Serv. as constable:— G. Postill, 34.10; J. W. Bulger, 10.00; W. W. Wilson, 154.00; R. W. Downs, 37.00; W. A. Kennedy, 38.75; W. W. O'Brien, 22.80; E. Stoner, 6.00; W. T. Pearcy, 19.50; D. Nadeau, 85.00; J. S. Whitney, 95.00; J. Rose, 92.50; T. Kearney, 5.00; F. Gagne, 16.00; C. Gunther: Board of constables, 27.35; W. C. Walton: Board of patient, 9.75; F. E. Flynn: Fees and disbursements, Raycroft *vs.* Brockville. 186,67; Dr. P. H. Bryce: Services as witness, 50.00; trav. expenses, 20.30; Corporation, Town of Mattawa: Expenditure, 213.01.. .... L. A. Cooper: Shingles, Sunbury, 7.88; W. Margach, rope, 1.10; J. Lewis: Services and disbursements investigation, Muskoka, 45.00; C. P. Railway Co.: Freight, 7.29; R. Johnston, hire of boat, 17.00; Lumsden Steamboat Line: Freight charges, 16.30; R. Newell: Cab hire, 4.00	3,880 76
Diphtheria outbreak:—	
Isaac Fearon: Sanitary police service, 37.50; M. T. Cathcart: supplies, 16.15; Dr. T. H. Bethune: Medical attendance, anti-toxine, etc., 135.05	
Lewis Irvine: Quarantine officer, 40.00	229 70
Scarlet fever outbreak: Dr. A. Stewart, medical attendance	90 00
Langford & Morin: Legal services *re* garbage, Winnipeg river	2 04
Total Hospitals and Charities, Sanitary Investigations, etc	$236,592 75

REPAIRS AND MAINTENANCE.

GOVERNMENT HOUSE ($15,039.99).

Jos. Graham: Twelve months' salary as Gardener and Caretaker....	550 00
Pay lists: Wages, carpenters, bricklayers, plumbers, laborers, etc.	1,934 10
Knickerbocker Ice Co.: Ice, 170.10; Water Works Dept.: water, 100.30	270 40
Consumers' Gas Co.: Gas, 454.24; Toronto Ry. Co.: Car tickets, 12.50	466 74
Toronto Electric Light Co.: Electric light, 1,117.54; lamps, 12.50.....	1,130 54
W McGill & Co.: Coal, stove and nut, 327 tons, 1,905 lbs., @ 6.20; 2,033.60; bagging @ 25c., 29.51; hardwood, 11½ cords @ 6.75, 77.63; pine, 4½ cords at 5.25, 23.88; cutting, 7.75.....	2,172 37
J. H. Milne & Co.: Coal, soft lump, 10 tons @ 6.15, 61.50; 1 cord slabs, 5.50; 1 cord hardwood, 8.00	75 00
Painting & decorating: F. W. Cattle, 17.00; J. Andrews, 46.00; J. J. O'Hearn, 201.30; Elliott & Son, 155.00	419 30
Wheeler & Bain: Tinsmithing, etc., 39.01; clg. snow from roofs, 95.20	134 21
G. H. Ibbotson: Blacksmithing, .90; Shipway Iron Works, 3.10	4 00
Donald Bain: Carpentering, tinsmithing, etc., conservatory	1,009 27
Castings: Jas. Robertson Co.: 13.04; Rice, Lewis & Son, 1.00	14 04
W. O. Littleford: Repairing lamp, 1.25; Ont. Lead & Wire Co.: plumbing supplies, 10.50 '.....	11 75
Keith & Fitzsimons Co.: Plumbing supplies, 221.86; James Wright: plumbing supplies, 5.50	227 36
Harrison & Robertson: plumbing supplies, 2.90; J. B. Smith & Sons: lumber, etc., 217.09	219 99
Stewart & Wood: Glass, etc., 9.30; Aikenhead Hardware Co.: hardware, etc., 32.11 .	41 41
Dom. Radiator Co.: Radiators, 149.32; W. J. Hynes; plaster cast, Dom. coat of arms, 35.00	184 32

REPAIRS AND MAINTENANCE.—*Continued.*

GOVERNMENT HOUSE. *Concluded.*

Purdy, Mansell & Co.: Steamfitting castings, etc., 593.68; contract heating, 664.00 — 1,257 68
A. F. Taylor: Cement, 1.00; W. Maguire: brick cement, etc., 22.25 — 23 25
Goold, Shapley & Muir Co.: Flag staff, 200.00; Can. Carbon Light Co.: iron post lamps, 168.20 — 368 20
Am. Tent & Awning Co.: Awnings, 9.00; D. Pike Co.: flags and reps., 111.00 — 120 00
J. & J. L. O'Malley: Scraping and polishing floors, clg. and laying carpets, etc. — 317 51
J. W. L. Foster: Portrait of Lieut.-Gov. Clarke, 250.00; W. A. Murray & Co.: linoleum, 23.18 — 273 18
Furnishings:—Gowans, Kent & Co., 367.90; McDonald & Willson, 113.80; Spilling Bros., 2.00; W. Junor, 66.80; Hooper & Co., 2.95; J. Wanless & Co., 266.30; Ont. Rubber Co., 12.50; Can. Carbon Light Co.: 84.24; Michie & Co., 6.25; Geo. Spanner & Co., 5.50; G. & J. Murray, 3.30; T. Eaton Co., 21.49; Fletcher Mfg. Co., 3.30; Chaney & Co., 9.12; Gutta Percha Rubber Co., 3.00 — 968 45
T. Eaton Co.: Rugs, carpets, etc., 27.53; C. Rogers & Sons Co.: furniture, 150.50 — 178 03
Jno. Kay Son & Co.: Carpets, linoleum, rugs., etc. — 1,658 24
Rogers Furniture Co.: Furniture, 46.50; Steele Briggs Seed Co.: plants, bulbs, etc., 196.31 — 242 81
C. P. Industries: Plants, etc., 168.75; M. Thomas: gravel, 15.20 — 183 95
G. Duthie & Son: Repg. roof, ventilators, etc., 5.01; Arndt Tree Protector: protectors, 60.00 — 65 01
Smith's Dye Works: Clg. curtains, 30.40; J. Cowan: clg. chimnies, 7.00 — 37 40
C. Wilson & Son: Adjusting scale, 2.10; City Toronto: prop'n concrete walks, 477.28 — 479 38
Wright Cartage Co.: Cartage, .50; V. P. Fayle: exps. weighing coal, 2.10 — 2 60

PARLIAMENT BUILDINGS—GENERAL EXPENSES ($49,953.72).

Thomas Burns	Twelve months' salary as	Engineer	1,200 00
R. J. Griffiths	do	Assistant Engineer	720 00
John Bennett	do	Fireman	600 00
S. Pears	do	do	600 00
V. H. Annable	do	do	600 00
John Jones (temporary)	Six	do	300 00
E. A. Bishop	Twelve	do Elevator Attendant	600 00
R. Power	do	do	600 00
Wm. Davidson	do	Hall Porter and Messenger	600 00
D. Harrington	do	do do	600 00
G. W. Franks	do	do do	600 00
A. Currie	do	do do	600 00
S. Dunbar	do	Night Watchman	650 00
E. R. Lucas	do	do	650 00
J. W. Montgomery	do	Attendant & Messenger	600 00

J. W. Houston: Services as Superintendent of Grounds — 350 00
Pay lists: Wages, carpenters, bricklayers, steamfitters, dusters, laborers, etc. — 9,147 99
P. J. Crotty: Trav. exps. re locks, 7.50; Toronto Railway Co.: Car tickets, 27.50 — 35 00
Water Works Dept.: Water, 646.92; Consumers' Gas Co.: Gas, 437.12 — 1,084 04
Can. Ice Co.: Ice, 295.34; Toronto Elect. Co.: Power, 289.47; light, 4,757.13; lamps, 1.80 — 5,343 74
W. McGill & Co.: Pea coal, 1238-1800 tons, at 5.30 — 6,566 44
W. Maguire: Cement, 5.50; Ontario Lime Co.: Mortar, 13.75 — 19 25
Weather strips: Chamberlain Weather Strip Co.: 100.56; W. Beers, 12.00 — 112 56
J. B. Smith & Sons: Lumber, 139.98; book cases, 462.00 — 601 98
Hardware, etc: Aikenhead Hardware, Ltd., 93.58; Rice Lewis & Son., 78.40 — 171 98
Cataract Refining Co.: Boiler com., 65.76; Harrison & Robertson: Steamfitting, 47.95 — 113 71
Castings: Jas. Robertson & Co., 86.34; Dom. Radiator Co., 76.99; Can. Fdry. Co., 18.00; Purdy, Mansell & Co., 3.40; Am. Abell & Thresher Co., 2.00 — 186 73
Plumbing: Ritchie Plumbing Co., 5.55; Johnston, Sewell Co., 3.00 — 8 55
Painting, glazing, decorating, etc.: J. J. O'Hearn, 236.58; M. O'Connor, 64.53; Elliott & Son Co., 42.05 — 343 16
Iron work and repairs: Shipway Iron & Bell Works, 12.09; Gurney, Tilden Co., 11.85; G. N. Reynolds & Co., 121.50 — 145 44
J. Elmar: Hose cut-offs, 120.00; Beardmore Belting Co.: Belting, etc., 29.50 — 149 50
C. Rogers & Sons Co.: Venetian blinds, 108.00; furniture, 12.00 — 120 00
C. P. Industries: Clothing, etc., for messengers, porters, etc., 1894 to 1904 incl. — 2,898 64
W. & D. Dineen Co.: Hats, do do — 30 00

REPAIRS AND MAINTENANCE—*Continued.*

PARLIAMENT BUILDINGS GENERAL EXPENSES.—*Concluded.*

Furnishings:—	
Keith & Fitzsimons Co., 18.76; Rogers Electric Co., 33.83; Imp. Glass Works, 2.50; Nerlich & Co., 59.66; W. A. Murray & Co., 172.81; Gowans, Kent & Co., 87.48; United Factories, 14.35; H. P. Eckardt, 235.47; Fletcher Mfg. Co., 82.19; McDonald & Willson, 100.63; Wheeler & Bain, 12.95; W. Junor, 180.07; Ont. Rubber Co., 11.00; Can. General Electric Co., 48.42; Luxfer Prism Co., 5.80; W. Simpson & Co., 40.00; Grant, Hamilton Oil Co., 14.28; L. K. Cameron, 50.00; H. S. Forgie, 3.20; H. W. Nelson & Co., 11.40; Chandler & Massey, 1.00; G. Prance, .72; Can. Oil Co., 5.00; Rochester Germicide Co., 20.00; Toronto Silver Plate Co., 5.25; Michie & Co., 4.90; Hooper & Co., 1.00; H. F. McIntosh, 3.00; N. L. Piper Ry. Supply Co., 3.70; Bennett & Wright Co., 24.00; W. Younger, 3.00; E. G. Lemaitre, 14.58; Hobbs Hardware Co., 60.08; J. H. Thompson, 2.40; Imperial Varnish Co., 28.50; Metropolitan Soap Co., 27.00; W. Blisner, 3.75	1,398 68
Furniture, upholstering, etc.: J. & J. L. O'Malley, 487.96; Jno. Kay Son & Co., 593.04; Adams Furniture Co., 62.00; Rogers Furniture Co., 3.00	1,146 00
T. Eaton Co.: Carpet, etc., 137.34; Cobourg Carpet & Matting Co.: Cocoa matting, 298.77	436 11
Prov. Secretary's Dept.: Book case for library, 15.00; Dorrien Plating Co.: Engraving, etc., 44.70	59 70
Mackenzie & Co.: Placing pictures & repairs, 61.50; Brown Bros.: Vines & trees, 24.00	85 50
Plants & bulbs: Julius Roehrs, 806.25; W. Rennie Co., 138.14; J. A. Simmers, 213.10; C. P. Industries (1987-1904), 2,751.77	3,909 26
M. Thomas: Gravel, 225.15; C. P. Railway Co.: Tar, 1.50	226 65
G. Duthie & Sons: Roofs, and repg. roofs, 261.90; clg. snow from roofs, 212.00	473 90
Repairing elevators: Est. W. J. Bradley Co., 10.00; Can. Otis Elevator Co., 254.08	264 08
Am. Tent & Awning Co.: Awnings, 79.50; Jaynes Electrical Co.: Station dials, 3.51	83 01
Gutta Percha & Rubber Mfg. Co.: Hose	106 28
Repairing clocks: F. T. Proctor, 3.10; C. W. Coleman, 1.50	4 60
Robinson & Heath: Duty & brokerage, 17.80; G. T. Ry. Co.: Freight charges, 18.26	36 06
Dom. Exp. Co.: Exp. charges, 9.50; J. P. Edwards: To pay duty & exp on dials, 1.58	11 08
V. P. Fayle: Expenses weighing coal	14 10
Miscellaneous:—	
B. O'Byrne ..... Twelve months' salary as General Clerk of Works	1,200 00
P. J. Crotty ..... do Carpenter	750 00
Jno. J. Heydon ..... Eight do Plumber	600 00
M. McBrearty ..... Eleven do Insp. Steamfitting & Boilers	1,100 00
M. J. Quinn ..... Twelve do Mechanical Superintendent	1,100 00

PARLIAMENT BUILDINGS—ATTORNEY GENERAL'S DEPARTMENT ($617.88).

J. & J. L. O'Malley: Repg. linoleum, 2.65; C. Rogers & Sons Co.: Book case & reprs., 60.00	62 65
J. B. Smith & Sons: Box, 6.80; Office Specialty Co.: Vault fittings, 138.15.	144 95
Walton & Co.: Pictures, 11.28; Mildred Peel: Portrait Atty.-Gen. Sherwood, 125.00	136 28
J. J. O'Hearn: Painting, 30.00; M. O'Connor: Office cleaning, 244.00	274 00

PARLIAMENT BUILDINGS—CROWN LANDS DEPARTMENT ($3,469.36).

Remington Typewriter Co.: Cabinet, 27.25; Office Specialty Co.: Document fyles, 2,844.45	2,078 70
J. B. Smith & Sons: Partitions, etc., 192.00; Keith & Fitzsimons: Furnishings, 5.00	197 00
McDonald & Willson: Furnishings, 13.50; Galvanic Battery Co.: 5.30	18 80
Aikenhead Hardware Co., 2.25; Mineral Wool Asbestos Co.: Covering, 12.73	14 98
J. B. Smith & Sons: Lumber, 9.00; H. H. Watts & Co.: Bell hanging, 2.50	11 50
J. J. O'Hearn: Re-glazing, 10.90; J. & J. L. O'Malley: Repg. furniture, 13.55	24 45
Ont. Compressed Air Co.: Cleaning carpets, 17.68; Dom. Portrait Co.: Frame, 1.25	18 93
J. Cunean: Cleaning vault, 9.00; M. Wilson: Office cleaning, 286.00	295 00
Mrs. McNulty: Office cleaning	20 00

PARLIAMENT BUILDINGS—PUBLIC WORKS ($678.42).

J. B. Smith & Sons: Shelving, doors, etc., 148.14; Office Specialty Co.: Fyling cabinet, etc., 94.98	243 12
T. Eaton Co.: Desk, 45.00; J. J. O'Hearn: Staining, etc., 3.00	48 00
Eureka Mineral Wool Co.: Covering, 8.40; R. Simpson Co.: Furnishings, 3.90	12 30
Office cleaning: B. Robson, 8.00; M. Lavery, 275.00; M. McNulty, 80.00; C. Shanley, 12.00	375 00

REPAIRS AND MAINTENANCE.—*Concluded.*

PARLIAMENT BUILDINGS—TREASURY DEPARTMENT ($437.26).

Office Specialty Co.: Transfer cases, trunk, desk, etc., 129.00; Newsome & Co.: Typewriter desk, 30.00	159 00
C. Rogers & Sons Co.: Repairs, 2.25; D. Pike & Co.: Awnings, 18.00; Fletcher Mfg. Co.: Furnishings, 3.90	24 15
Aikenhead Hardware Co.: Hardware, 1.25; J. P. Mill: Repairing clocks, 4.50; W. Robertson: Cleaning carpets & rugs, 4.51	10 26
J. & J. Taylor: Locksmithing	85
Office cleaning: C. Amsden	243 00

PARLIAMENT BUILDINGS—PROVINCIAL SECRETARY'S DEPARTMENT ($764.32).

Office Specialty Co.: Cabinet, bookcase, etc., 192.92; J. B. Smith & Sons: Fyling cabinet, etc., 63.00	255 92
Rogers Furniture Co.: Chair, 14.50; R. Simpson & Co.: Furniture, etc., 50.75; J. & J. L. O'Malley: Repairs, 1.75	67 00
Eby, Blain & Co.: Soap, 5.70; Wheeler & Bain: Furn., 4.30; W. A. Murray & Co.: 2.00	12 00
C. Felton: Locksmithing, .30; J. J. O'Hearn: Painting, 65.20; Ontario Compresed Air Co.: Cleaning carpets, 3.90	69 40
J. Park: Repairing clock	1 50
Office cleaning: Mrs. Lees, 22.50; C. Amsden, 36.00; M. Ryan, 300.00	358 50

PARLIAMENT BUILDINGS—DEPARTMENT OF AGRICULTURE ($875.93).

Adams Furniture Co.: Chairs, 23.85; L. Rawinson: Book cases, 70.00	93 85
Grand & Toy: Staty. cabinet, 3.75; T. Eaton & Co.: Table, desk, etc., 29.00	32 75
United Typewriter Co.: Desk, etc., 50.00; Office Specialty Co.: Desk, chair, cabinet, etc., 139.68	189 68
J. B. Smith & Sons: Shelving for vault, lumber, etc., 147.00; T. Eaton Co.: Linoleum, mat, etc., 26.51	173 51
John Kay Son & Co.: Carpet and mat, 5.40; McDonald & Willson: Lamp, 4.50	9 90
Fletcher Mfg. Co.: Furnishings, 1.85; M. O'Connor: Painting, oiling, etc., 55.52	57 37
Bell Tel. Co.: Removing 'phone to Putnam's house, 3.00; Can. Expres Co.: 1.37; Can. General Electric Co.: Motor, 27.00	31 37
Office cleaning: Mrs. McNulty, 1.50; Mrs. Roberton, 286.00	287 50
Total Repairs and Maintenance	71,836 88

PUBLIC BUILDINGS.

PARLIAMENT BUILDINGS ($2,475.05).

Toronto Fire Dept.: Fire alarm box and equipment, 151.38; Dom. Bridge Co.: Steel beams for Archivist's vault, 280.00	431 38
Expanded Metal and Fire Proof Co.: Metal and cinder concrete roof, 425.00; McDonald & Willson: Elect. equipment, 1,375.37	1,800 37
John Murphy: Fees inspecting and rep'tg *re* electrical equipment	200 00
do Travelling expenses	43 30

ASYLUM FOR INSANE, TORONTO ($2,510.53).

Keith & Fitzsimons: Electric and combn. fixtures, 366.91	366 91
McDonald & Willson: Combn. fixtures, 248.00; wiring, 10.50	258 50
Exterior Repairs:—	
W. Maguire: Cement brick & sand, 33.30; J. B. Smith & Sons: Lumber, 72.48	105 78
W. Simpson: Entrance gates, 167.55; A. G. McIntyre: Iron work on gate, 29.25	196 80
A. G. McIntyre: Iron work on verandah, 13.45; repg. roof, 262.32	275 77
D. Guthrie & Sons: Repg. roof, 35.25; Brown & Love: Rebuild'g fence piers, 473.50	508 75
Aikenhead Hardware Co.: Hardware, 6.36; J. C. Claxton: Teaming, 3.00	9 36
Gurney Foundry Co.: Boiler, etc., 125.77; Keith & Fitzsimons: Plumbing supplies, 136.45	262 22
J. J. O'Hearn: Painting and decorating, 191.48; Wages for men, 334.96	525 41

PUBLIC BUILDINGS.—*Continued.*

Renewals, Furniture, Furnishings, Etc., ($5,064.27).

A. L. Davis: Piano, 375.00; Singer Mfg. Co.: Sewing machine, 35.00 ..... 410 00
Toronto Laundry Machinery Co.: Washing machines, 585.00; Creelman Bros.: Knitting machine, 33.00 ..... 618 00
Geo. Sparrow & Co.: Jacket kettles, 450.00; C. P. Industries: Home bed, 16.00 ..... 466 00
Carpet Cleaning Co.: Upholstering, 342.00; H. W. Petrie: Pipe machine, 115.00; steam pump, etc., 216.35..... 673 35
G. B. Meadows: Cont. wire window guards, 101.00; R. J. Byron: Window shades, 128.48 229 48
J. Robertson Co.: Bath pipe, etc., 97.02; Pease Furnace Co.: Pots & stands, 150.00 247 02
A. McDonald: Lumber, 615.06; Dymond, Sommerville Co.: Furniture, 331.32 ..... 946 38
R. J. Byron: Furniture, 353.50; R. Hall & Son: Carpets, 634.88 ..... 988 38
Robert Fair & Co.: Carpets, 423.02; C. P. Ry. Co., 50.64; W. Shaughnessy: Cartage, 12.00 485 66

ASYLUM FOR INSANE, MIMICO ($2,186.02).

Intake Pipe:—
Can. Foundry Co.: Pipe, 20.15; A. J. Brown: Diving outfit, derrick, etc., 327.00 347 25
H. W. Hodson: Hire of scow, 16.00; Jos. Goodwin: Hire of scow and towing, 74.50; A. J. Brown: do., 32.00 ..... 122 50
Pay lists 841 25
Baths:—
McGregor & McIntyre: Iron work, 49.35; James Robertson Co.: Baths, etc., 590.67 640 02
C. Rogers & Sons Co.: Tiling bath rooms..... 235 00

Renewals, Furniture, Furnishings, Etc., ($3,103.39).

Heintzman & Co.: Piano, 175.00; S. May & Co.: Billiard table, 219.50 ..... 394 50
W. A. Murray & Co.: Jardinieres, 60.00; Jno. Kay Son & Co.: Arm chairs, 240.00 300 00
Chandler & Massey: Microscope, 67.50; H. A. Willson & Co.: Billiard table, 25.00 300 00
Gowans, Kent & Co. Pots, 14.21; Keith & Fitzsimons Co.: Hospital bath, 140.00; sectional lavatories, 320.00 ..... 474 21
J. Macdonald & Co.: Rugs, 107.00; McKenzie & Co.: Framing engravings, 132.00; Rogers Furniture Co.: Furniture, 12.50 ..... 251 50
J. Maloney & Co.: Brick, stone, cement, etc., 1,178.13; J. J. McCallum: Cyclone fence & gate, 147.55 ..... 1,325 68
Roman Stone Co.: Contract stone, rail and ballusters..... 265 00

ASYLUM FOR INSANE, LONDON ($19.632.18).

Reservoir:—
Cement: W. Heaman & Son, 62.10; Hobbs H'dw're Co., 7.20; W. J. Craig, 7.20.. 76 50
Imperial Cement Co., 636.00; Jas. Anderson, Stone and gravel, 194.49..... 830 49
A. Westman: Iron, wire, etc., 6.86; W. Heaman & Son: Pipe, etc., 40.00; Hobbs Hardware Co.: Pipe, etc., 139.42 ..... 186 28
Purdom, Gillespie Hardware Co.: Castings, 10.50; W. Malloch & Co.: Castings, 26.76; Jas. Cowan & Co.: Castings, 24.00..... 61 26
Carpenter Shop:—
E. H. Russell & Co.: Radiators, 247.25; Hobbs Hardware Co.: Hardware, 18.00; Geo. H. Belton: Lumber, etc., 242.90 ..... 508 15
Jas. Anderson: Gravel, 27.12; E. E. Skuce: Lime, 34.67; W. Stevely & Son: Repg. eavetrough, etc., 44.17..... 105 96
Infirmary:—
Kernohan & Ferguson: Lumber, 24.50; W. Gerry: Doors & frames, 11.00.. 35 50
City Gas Co.: Lamp fixtures, etc. 122 95
Dundas Street House:—
W. J. Craig: Lumber, 65.50; W. Gerry: Lumber, 18.90; G. H. Belton: Lath, 45.00 129 40
Hobbs Hardware Co.: Cement, 2.95; W. J. Element: Lime, fire brick, etc., 10.45 13 40
E. E. Skuce: Lime, 58.45; Schabacker & Co.: Window frames, doors, etc., 64.70 123 15
Engineer's Department:—
Dom. Radiator Co.: Boilers, valves, etc., 681.77; E. Leonard & Son: Cont. for steam boiler, 900.00 ..... 1,581 77
W. J. Element: Fire brick, lime, etc., 29.95; J. McLaughlin: Fire brick, lime, etc., 116.25; G. Hammett: Masonry, 113.40..... 259 60
Purdom, Gillespie Hardware Co.: Hair felt, 10.00; A. Irwin: Cement base, 48.51.. 58 51
C. P. Railway Co.: Freight charges 56 71

PUBLIC BUILDINGS.—*Continued.*

ASYLUM FOR INSANE, LONDON.—*Concluded.*

Coal Vault:—

Purdom, Gillespie Hardware Co.: H'dw'e, 15.00 W. Stevely & Son: Iron work, 9.48	24 48
G. H. Belton: Lumber	670 34
E. W. Scott: Castings, etc.: Ice hoist, 139.26; W. Gerry: Lumber for balconies, 269.69	408 95
W. Stevely & Son: Galv. roofing, etc., & slating main roof, 932.90; repg roof, 622.00	1,098 60
Jas. Robertson Co.: Slate tubs, etc., for ldry., 87.50; F. C. Hunt: Baths, etc., 622.00	709 50
T. Trebilcock: Purchase of farm lands, 12,500.00; J. M. McEvoy: Fees & disbursements *re* title, 49.13	12,549 13
F. R. Heakes: Trav. expenses, 7.85; M. J. Quinn: Trav. expenses, 13.70	21 55

RENEWALS, FURNITURE, FURNISHINGS, ETC., ($2,610.20).

Durham Rubber Co.: Fire hose, 270.00; J. Ferguson & Sons: Arm chairs, 43.20	313 20
Strathroy Furniture Co.: Furniture, 789.12; W. J. Craig: Lumber & shingles, 278.15	1,067 27
Kernohan & Ferguson: Timber, 16.49; Geo. H. Belton: Lumber and posts, 145.10	161 59
W. Stevely & Son: Ironw'k, 4.00; Jas. Anderson: Gravel, 175.87; M. Breen: Gravel, 87.50	267 37
R. Crosby: Drain tile, 185.86; J. H. Herrick: Fire extinguishers, 144.00	329.86
C. Wilson & Son: Dough mixer, pulleys, cables, etc	302 40
London Engine Supply Co.: Castings	28 51
C. Smith: Moving and repairing barn	140 00

ASYLUM FOR INSANE, HAMILTON ($4,799.19).

Pumping house:

Smart-Turner Machinery Co.: Repairing pumps	160 92

Steam heating:

Hamilton Bridge Works: Beam plates, etc	20 20
Garlock Packing Co.: Covering pipestack, etc.	95 50
Geo. Stevenson: Steam fitting and supplies	56 86
Wood, Vallance & Co.: Iron pipe, etc.	448 00
Smart-Turner Machine Co.: Repairs to boiler	103 05
Geo. Stevenson: Fitting up bathroom, etc	177 00
F. H. Dickenson: Carpentering dormitories, etc.	280 10
Rose Bros.: Painting supports verandah	68 50
F. H. Dickenson: On acct. Cont. skating rink	2,070 00
H. & J. Dow: Cement	8 40
Jas. Findlay: Ironwork on barn, 2.70; Jas. Robertson Co.: Copper floats, 4.00	6 70
City Works Dept.: Sewer pipe, cement, repairs to drains	626 68
D. Aitchison: Door frame, etc	39 26
D. Aitchison: Cont. porch and verandah, Bursar's house	473 50
Hamilton and Toronto Sewer Pipe Co.: Pipes, etc	97 36

Travelling expenses:

B. O'Byrne, 6.95; F. R. Heakes, 3.20; M. McBrearty, 23.75; R. P. Fairbairn, 3.55; G. A. Richardson, 2.40; M. J. Quinn, 27.30	67 15

RENEWALS, FURNISHINGS, ETC. ($5,107.31).

Mrs. S. E. Charlton: Balce. purchase of land, 5,000 00; T. C. Watkins: Linoleum, 19.85	5,019 85
R. Duncan & Co.: Papering, painting, etc., 24.36; G. Stevenson: Bathroom fixtures, 11.00	35 36
Jas. Findlay: Repairing metal ceilings	52 10

ASYLUM FOR INSANE, KINGSTON, ($10,464.34).

Nurses' Home and Lavatory:—

Elliott Bros.: Contract plumbing, 1,250.00; balance slate roofing, 345.00	1,595 00
do Connecting radiators, 96.82; cement, pipe tile, etc., 45 91	142 73
W. Savage: Painting, glazing, etc., 514.21; W. Massie: Lumber, 276.44	790 65
Rathbun Co.: Lumber, 226.29: Carnovsky Wood Mfg. Co.: Lumber & fit'gs, 885.90	1,112 19
Breck & Halliday: Elect. fittings, etc., 169.69; J. M. Corbett: Hardware, etc., 267.36	437 05
A. Strachan: Hardware, 30.51; McKelvey & Birch: Hose, tile, etc., 40.00	70 51
W. J. Savage: Painting, etc., 170.20; P. Walsh: Lime, 13.84;	
W. J. Hynes: Plaster centres, 10.00	194 04
Pay lists: Wages of men	132 43

PUBLIC BUILDINGS.—*Continued.*

ASYLUM FOR THE INSANE, KINGSTON.—*Concluded.*

Steam Heating:—
Selby & Youlden: Contract boiler, 1,081.00; J. Pollie: Cont. iron work roof, 119.00 — 1,200 00
Rathbun Co.: Lumber, 170.70; Elliott Bros.: Plumbing, etc., 609.06;
Elliott Bros.: Brick, clay & cement, 86.70 — 866 46
H. J. Harpell: Sand, 10.50; Pay lists: Wages of men, 249.76 — 260 26
North Cottage:—
W. Massie, Jr.: Lumber, 7.09; Rathbun Co.: Lumber, 62.34; P. Walsh: Lime, 32.44 — 101 87
McKelvey & Birch: Contract plumbing, 215.00; plumbing supplies, 147.63 — 362 63
Pay Lists: Wages of men — 111 60
Cottage:—
Elliott Bros.: Iron work, 158.50; John Mouldey: Brick, 99.50 — 258 00
S. H. Orser: Shingling, 53.00; A. Strachan: Hardware, cement, etc., 76.77;
Rathbun Co.: Lumber, 484.74 — 614 51
Superintendent's Residence:—
R. Clugston: Repairing roof, 20.35; Pay list: Wages men, 33.82 — 54 17
New Court:—
McKelvey & Birch: Hot air furnace, etc., 156.50; Pay list: Wages men, 36.37 — 192 87
Butcher's House:—
A Strachan: Hardware, 9.10; Wm. Drury: Lime, 23.04; H. J. Harpell: Sand, 19.50 — 51 64
Pay list: Wages of men — 458 94
Laundry:—
Toronto Laundry Machinery Co.: Washing machinery — 182 00
Cold Storage:—
H. J. Harpell: Sand, 12.00; A. Strachan: Hardware, 76.90;
Pay lists: Wages of men, 331.88 — 420 78
McKelvey Bros.: Baths & closet fixtures, 73.96; Eby, Blain & Co.: Holder
for gas plant, 508.00 — 581 96
Pay lists: Wages men, stone wall — 216 75
Traveling expenses: F. R. Heakes, 48.00; M. McBrearty, 7.25 — 55 25

RENEWALS, FURNITURE, FURNISHINGS, ETC., ($2,342.82).

Nordheimer Piano Co.: Exchange on piano — 600 00
Surgical Appliances:—
Central Drug Co., 55.17; DeZeng Optical Co., 12.00;
Ont. Rubber Co.: Pneumatic mattresses, 55.00 — 122 17
Chandler & Massey, 28.13; Bell Tel. Co.: Installing service, 29.57 — 57 70
Furnishings:—
Robertson Bros., 27.85; T. F. Harrison Co.: Furniture, 630.95;
A. Strachan: 100 special locks, 550.00 — 1,208 80
Rathbun Co.: Lumber, cement, etc., 151.35; W. A. Mitchell: Cement, 202.80 — 354 15

ASYLUM FOR INSANE, BROCKVILLE, ($5,351.10).

Spray Baths:—
A. A. Worden: Sand, 11.00; A. Eligh: Gravel & teaming, 15.00 — 26 00
Brown & Semple: Contract gegenstrom apparatus and fittings, 448.00;
plumbing supplies, 101.95 — 549 95
T. H. Fitzgibbon: Work on baths, 80.25; J. McGee: Cement work, 84.00;
Rathbun Co.: Lumber, 13.34 — 177 59
R. H. Smart: Wire guards, cement, etc. — 47 00
Laundry:—
J. McGee: Cement w'k, 3.00; R. H. Smart: Leather belting, pipe cement, etc., 199.33 — 202 33
Toronto Laundry Machinery Co.: Extractor, — 127 00
Skating Rink:—
Driscoll & Fitzpatrick: Contract, 2,995.00; Brown & Semple: Pipe, 3.04 — 2,998 04
Rathbun Co.: Lumber, etc., 41.56; Pay list, 137.25 — 178 81
W. & J. Sheridan: Pipe, etc., eave troughs — 90 03
Pay list: Eave troughs — 87 00
J. E. Degan: Cont., ext'n of eaves main bldg., 372.00; J. Elmer: Hose cut-offs, 60.00 — 432 00
Waterous Engine Works Co.: Engine & pulley, 80.00; freight charges, 3.72 — 83 72
Milton Pressed Brick Co.: Brick, 64.50; Pay list: Bricklaying, 165.00 — 229 50
A. Worden: Sand, 8.25; A. F. McCaw: Lime, 7.70 — 15 95
Travelling expenses: F. R. Heakes, 6.55; H. E. Moore, 20.00; B. O'Byrne, 79.63 — 106 18

PUBLIC BUILDINGS.—*Continued.*

ASYLUM FOR INSANE, BROCKVILLE.—*Concluded.*

RENEWALS, FURNITURE, FURNISHINGS, ETC., ($2,547.87).

Jas. Moore: Billiard table, balls, etc., 133.70; J. S. Russell: Curling stones, 200.00 333 70
Buchanan & Sheridan: Furniture, etc., 154.52; E. B. Clegg & Co.: Chairs, 117.50; D. Bellighem: Couches, 150.00 422 02
M. McFadden: Tables, 45.00; R. Hall & Son: Carpet, 214.38; J. C. Turnbull Co.: Carpet, 184.90 444 23
R. H. Smart: Hose nozzles, 10.10; R. G. Olmested: Iron fence, 446.60; C. Wilson & Son: Castings, 29.35 486 55
R. H. Smart: Hardware, cement, boiler, etc., 337.61; A. A. Worden: Land, 88.00; E. Eligh: Gravel, 5.00 430 61
Jas. Smart Mfg. Co.: Iron work, etc., 23.46; R. B. Easton: Iron work, etc., 255.02 278 48
John McGee: Masonry, plastering, etc. 130 00
G. T. Ry. Co., '9.08; C. P. Ry. Co., 1.15; W. E. Elliott: Cartage, 2.00 22 23

ASYLUM FOR INSANE, COBOURG ($4,750.00.)

Oke & Oke: Acc. contract sup't residence, 3,852.00; Climo Bros.: Acc. cont. heating, 563.00 4,415 00
Pay lists 187 84
Travelling Expenses: F. R. Heakes, 11.15; B. O. Byrne, 107.61; H. E. Moore, 13.15; M. McBrearty, 15.25 147 16

ASYLUM FOR FEEBLE MINDED, ORILLIA ($7,098.02).

Root House:—
J. R. Eaton: Balance contract 526 84
New Boilers:—
Dom. Radiator Co.: Pipe, valves, etc., 40.76; E. Long Mfg. Co.: do. 18.55 59 31
Polsen Iron Works: Contract, 5,449.79; Jas. Robertson Co.: castings, 40.00 5,489 79
McGregor & McIntyre: Iron beam, 50.00; McNabb Bros.: hardware, 5.80 55 80
E. Webb: Brick, lime, etc., 432.48; wages, masons, bricklayers, laborers, etc., 371.80 804 28
John Inglis Co.: Repairing boiler, 16.00; J. Middleton: steam fitting, 50.00; J. Thomson: Steamfitting, 50.00 116 00
Travelling Expenses: B. O'Bryne, 8.90; J. Heyden, 18.30; M. McBrearty, 10.35; M. J. Quinn, 8.45 46 00

RENEWALS, FURNITURE, FURNISHINGS, ETC., ($4,112.45).

C. P. Industries: Beds and blankets, 569.55; Peterboro' Mattrass Co.: mattrasses, 148.00 717 55
T. Eaton Co.: Furniture, carpets, etc., 500.00; Adams Furniture Co.: furniture, 220.95 720 95
Rogers Furniture Co., 67.40; Can. General Electric Co.: Lamps, cable, etc., 144.51 211 91
B. Greening Wire Co.: Guards, 20.15; Bennett & Wright: range, closet, castings, etc., 529.21 549 36
Can. Foundry Co.: Bal on duplex pump, 261.18; Northey & Co.: balce re erection of pump, 7.90 269 08
Can. Rubber Co.: Hose and fittings, 456.90; E. L. Purvis & Co.: steam pipe covering, 46.84 503 74
McNab Bros.: Fire-ladders, cement and glass, 200.45; Vokes Hardware Co.: stall posts, guards, etc., 739.97 940 42
S. Pomeroy: Storm sash, 18.76; Steele & Crawford: lumber, 68.07; S. Pomeroy: posts, etc., 96.62 183 45
Tait, Carss Lumber Co.: lumber, 42.25; A. Harvie: plastering, etc., 13.60; D. McNiven: carpentering, 83.80 139 65
G. T. Railway Co.: freight charges 76 34

HOSPITAL FOR EPILEPTICS, OXFORD ($50,805.37).

Purdy, Mansell & Co.: Acc. contract plumbing, heating, etc., 9,395.00; McDonald & Willson: cont. electric wiring, 574.00 9,969 00
Nagle & Mills: Acc. cont. cottages, 20,407.00; W. Griffiths: acc. cont. whole work, 9,630.00 30,037 00

PUBLIC BUILDINGS.—*Continued.*

HOSPITAL FOR EPILEPTICS, OXFORD.—*Concluded.*

Nagle & Mills: Cont. digging well, 450.00; C. A. Hatch, purchase of site, 8,469.77.... 8,919 77
Alex. White: Clerk of works, 888.00; F. J. Ure: surveyor's fees, 50.50; Dom. Bridge Co.: girders and plates, 56.00 .... 994 50
Ball & Ball: Legal services *re* purchase of site 277 12
Woodstock Water & Light System: Electric wiring 508 86
Alex. White: Office furniture and supplies.... 24 77
Travelling expenses: H. E. Moore, 24.25; F. R. Heakes, 37.25; R. P. Fairbairn, 12.85 74 35

CENTRAL PRISON, TORONTO.

RENEWALS, FURNITURE, FURNISHINGS, ETC. ($6,905.91).

Dominion Radiator Co.: Contract sprinkler system, 900.00; heating broom shop, 500.00 .... 1,400 00
Dominion Radiator Co.: Pipe, valves, etc., 949.56; Nicholson, Curtis & Vicks: Cont. jambs, 175.00 .... 1,124 56
Nicholson, Curtis & Vick: Wages stone cutters, 1,777.60; C. P. Industries: Cell gate, locks,, etc., 254.00.... 431 60
C. P. Industries: Painting, glazing storm sash, 39.72; Hobbs Hardware Co.: Glass, 63.14 .... 102 86
Stewart & Wood: Paints, oils, etc., 30.00; Impl. Varnish & Color Co.: Paints, 15.90.. 45 90
Aikenhead Hardware Co.: Hardware, etc., 37.15; H. S. Howland Sons & Co., 20.43.. 57 58
J. Maloney & Co.: Cement, lime, etc., 144.48; Ont. Paving Brick Co.: brick, 603.60 748 08
Page & Co.: Stone steps, 40.50; Canada Foundry Co.: beams and plates, 406.00 .... 446 50
Jas. Robertson & Co.: Castings, 40.03; James Morrison Brass Mfg. Co., 114.50 .... 154 53
Dodge Mfg. Co.: Pulleys, etc., 100.92; Metallic Roofing Co: Roofing, 20.25 .... 121 17
Kemp Mfg. Co.: Shades, 31.27; Toronto Electric Light Co.: wire, 18.95; Young & Co.: storm sash, 175.68 .... 225 70
J. B. Smith & Sons: Lumber, etc., 826.78; Can. General Electric Co.: supplies, 884.47 1,711 25
Independent Cordage Co.: Rope, 6.08; Rowland, Smith: steamfitting, 102.90.... 108 98
C. E. Sheppard: Services *re* lighting, 189.00; installing 'phone system, 38.20 .... 227 20

ANDREW MERCER REFORMATORY FOR FEMALES ($1,259.73).

Laundry:—
Meyer Bros.: Machinery, 395.45; R. Bigley: boiler, etc., 132.35; Dom. Radiator Co.: pipe, etc., 12.64 .... 540 44
R. Paterson: Steamfitting and castings, 329.87; Purdy, Mansell & Co., 21.63.. 351 50
Pay lists: 53.40; Stevens & Chubb: bricklaying, 47.25; John Vokes: cut stone, 26.55 127 20
Harrison & Robertson: Plumbing and supplies 240 59

RENEWALS, FURNITURE, FURNISHINGS, ETC., ($7,032.08)

W. Musselman: Cont. fences, 475.00; J. Pulfer: Cont. ptg. fence, 92.32; ceiling and walls, 135.00 .... 702 32
C. Rogers & Sons Co.: Furniture, 97.25; United Typewriter Co.: Cabinet & chair, 34.50 131 75
Jno. Kay Son & Co.: Shades, 72.80; J. F. Hartz & Co.: operating table, 15.00; Meyer Bros., soap tank, 36.65 .... 124 45
Perfection Heating Co.: Heaters, 110.00; Office Specialty Co.: vault fittings, 169.58.... 279 58
J. M. Allen: Hardware, paints, etc., 227.00; James Robertson Co.: castings, 49.72 .. 276 72
Eureka Mineral Wool Co.: Covering, 43.23; Thomson & Pearson: Cont. Cement works, 535.00.... 578 23
Stephens & Chubb: Repairing walls, 595.00; W. H. Smith: Cont. alterations and repairs, basement, 389.00 .... 984 00
T. Gander & Son: Cont. plastering store room, etc., 247.25; J. Musselman: Cont. excavating and filling concrete drive, 110.00 .... 357 25
Ont. Peace Metal Weather Strip Co.: Weather strip, 12.50; J. B. Smith & Sons: lumber, etc., 289.76 .... 302 26
W. H. Smith: lumber, 567.94; Metallic Roofing Co.: Plate, moulding, etc.. 325.93 .... 893 87
Rathbun Co.: Sash, doors, lumber, cement, etc., ... 281 51
C. P. Industries: Painting, beds,, etc.. 271.25; T. Hutchinson: Cont. ptg. ceilings, walls, and cupboards, 295.00 .... 566 25
Pay lists: Wages, painters, carpenters, etc... .... 1,559 89

PUBLIC BUILDINGS.—*Continued.*

INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE ($4,992.39).

Wharf:—
Schuster Co.: Timber, 585.60; W. P. Clarke, bolts, 32.20; J. W. Walker, hardware, 14.78; R. Phillips, stone, 36.25; J. Vancleak, stone, 3.25; N. F. Donovan, stone, 39.00; pay lists, wages, men, 198.29; R. H. Paterson: trav. expenses, 27.10; J. Hodge, board of foreman, 6.00 ..... 942 47

Boilers, etc:—
Waterous Engine Works Co.: Contract steam boiler, 2,235.00; J. V. Ross, brick, bricklaying, etc., 789.42; Wm. McGee: steam fittings and supplies, 918.40; J. V. Ross, concrete floor, fire room, 76.75 ..... 4,019 57

Travelling expenses: R. P. Fairbairn, 8.40; H. E. Moore, 4.75; B. O'Bryne, 6.95; M. McBrearty, 4.55 ..... 24 35

RENEWALS, FURNITURE, FURNISHINGS, ETC. ($1,977.53.)

J. M. Truaish: Cement walk, 366.30; C. B. Scantlebury: metallic ceiling, pig., decorating, etc., 284.80 ..... 651 10

Laidlaw & Ketcheson: Carpets, 107.80; Elliott, Son & Co.: hardwood floor, 54.00.... 161 80

J. W. Walker: Hardware, 108.06; A. N. Pringle: lumber, etc., 23.72; Schuster Co.: lumber, etc., 202.60 ..... 334 38

Thompson & Co.: Beds, mattrasses, etc., 173.00; C. P. Industries: bed, springs, castors, etc., 357.25 ..... 530 25

Pay Lists: Wages, painters, carpenters, etc. 300 00

INSTITUTION FOR THE BLIND, BRANTFORD, ($3,346.94.)

Lavatories:—
Schultz Bros.: Contract whole work, 1,315.00; contract flooring closets, 49.00; Waterous Engine Works: Pipes and fittings, 13.84; Dom. Radiator Co.: radiator, valves, etc., 32.09; Turnbull, Howard & Co.: Pipe, etc., 111.10; T. A. Cowan: castings and plumbers supplies, 422.05; C. Taylor & Co.: Closets, castings, etc., 328.97; Jas. Staton: wages as plumber, 141.60; R. Lewis: Wages as plumber's help, 25.50; Brantford Expositor: Advtg re tenders, 9.00 ..... 2,448 15

Farm and Garden:—
J. R. Harvie: Concrete walks, 365.00; contract silo, 168.50; W. Secord: work on silo, 20.00; Stewart & Burrell: plates for walks, 8.44 .... 561 94

Laundry:—
Waterous Engine Works Co.: Pipe, 36.00; T. A. Cowan: setting pipe, 40.00 76 00

J. R. Harvey: Contract, cement, gutter, curb, etc., 160.00; J. Mann & Son: pipe, 52.20 212 20

Travelling expenses: M. J. Quinn, 35.35; B. O'Byrne, 3.65; H. E. Moore, 9.65 ..... 48 65

RENEWALS, FURNITURE, FURNISHINGS, ETC ($1,559.94.)

H. J. Smith: Piano, 315.00; S. P. Pitcher: office safe, 120.00; Can. Rubber Co.: hose, etc., 134.10 ..... 569 10

Office Specialty Co.: Cabinet and chair, 106.50; Can. Office & School Furniture Co.: desks, 50.40 ..... 156 90

H. B. Gardiner: Allowance for furniture supplied, 573.35; T. A. Cowan: ball cock, 6.50 579 85

J. Bishop & Son: Brackets, etc., 3.30; Mickle, Dyment & Co.: lumber and cedar posts, 55.34 ..... 58 64

Schultz Bros. Co.: Lumber, 38.20; J. B. Cole: cyclone woven wire fence, 75.00 ..... 113 20

J. Glancy: teaming gravel 82 25

ASYLUM, PENETANGUISHENE ($40,725.14).

M. A. Gendron: Cont. covering laundry roof, 294.00; Polson Iron Works Co.: Cont. hot water heater, 103.00 ..... 397 00

Gurney Foundry Co.: Boiler, furnaces, radiators, 866.48; Toronto Laundry Mach'y Co.: cont. installing laundry machinery, 2,276.00 ..... 3,142 48

C. Reynolds: Brick, 273.50; W. West, 215.90; Wallace & Son, 63.13 ..... 552 53

W. Blanchard: Lime, cement, 455.66; Imperial Plaster Co.: Plaster, 133.20 ..... 588 86

D. S. Pratt: Cement, 10.00; N. Payette, re reshingling, etc., 386.00 ..... 396 00

P. Payette & Co.: Brick, iron work, etc., 620.72; J. Munro & Co.: lumber, etc., 258.20 878 92

PUBLIC BUILDINGS.—*Continued.*

ASYLUM, PENETANGUISHENE.—*Concluded.*

C. Beck Mfg. Co.: Lumber, 1,449.01; A. Tessier, 884.20; F. McGibbon & Sons, 49.00 2,382 21
C. Gordon: Removing old fence, setting posts, etc., 219.20; M. A. Gendron Hardware Co.: hardware, 523.91 743 11
G. H. Wright: Hardware, 684.93; Aikenhead Hardware Co., 25.69; Jas. Robertson Co.: castings, 60c. 711 22
Jas. Robertson & Co.: Tender plumbing and heating supplies, 2,494.19; Dom. Bridge Co.: beams, 45.00 2,539 19
G. B. Meadows: Wire guards, 508.90; Geo. H. Hees Son & Co.: Shades, 221.02 729 92
Can. Otis Elevator Co.: Elevator, 142.21; J. B. Smith & Sons: ash case, 75.00 217 21
McDonald & Willson: Refrigerators, 72.00; J. F. Hanrahan, refrigerator, 425.00 497 00
Western Foundry Co.: Range, 950.00 ; United Typewriter Co.: cabinet, 25.00 975 00

Furniture, etc.:—
Adams Furniture Co.: 75.00; Valley City Seating Co.: 220.00; D. Bellighem, 425.00; N. McFadden, 427.20; T. Eaton Co., 648.17; E. B. Clegg & Co., 571.00; A. A. Corbeau, 77.49; A. Comstock, 401.20; J. F. Hartz Co., 15.00; C. P. Industries: Beds, 1,193.50; Peterboro Mattress Co.: Mattresses, 2,262.00; J. C. Turnbull & Co.: Carpets, rubber sheets, etc., 363.39; R. Hall & Sons, 506.78; Playfair, Preston Co., 252.65; T. Eaton Co., 1,082.21; C. Beck Mfg. Co.: Oil cloth, sheeting, etc., 108.91; McMahon, Broadfield & Co.: Crockery, etc., 413.88; Gowans, Kent & Co., 68.26; Alex. Gibson: Cutlery, clocks, etc., 136.60; Peterboro Hardware Co.: Cutlery, 151.77; Kingan Hardware Co., 162.75; Adam Hall: Tinware, etc., 42.13; J. Kelly: Painting and decorating, 2,706.07; F. R. Wheatley: Paint'g & dec't'g, 312.91; Elliott & Son Co.: Wall paper, etc., 21.84; Playfair, Preston Co.: Wall paper, etc., 129.89; C. A. Nettleton, 112.21 12,886 81

Furnishings:—
R. Fair & Co., 174.16; N. L. Piper R'y Supply Coy., 18.00; J. Murphy, 141.80; W. Sutcliffe & Sons, 224.85; A. W. Cressman, 133.87; W. P. Rodger: Blankets, 260.00; T. A. Gendron: Sewing machine, 35.00; McDonald & Willson: Elec. fit'gs, 61.55; Keith & Fitzsimons: Plumb. sup., 157.44; Keith & Fitzsimons: Electric wiring and fittings, 1,173.77 2,380 44
J. Dubeau: Livery hire, 19.00; Sundry persons: Board of men, 324.50 343 50
H. Picotte: Cartage, 66.87; G. T. R'y Co.: Freight charges and fares of men, 226.59 293 46
Travelling expenses: P. J. Crotty, 38.45; F. R. Heakes, 89.15; M. C. O'Donnell, 44.75; M. McBrearty, 137.70; J. Sullivan, 7.70; H. E. Moore, 20.65; J. Heyden, 6.30; M. J. Quinn, 22.85 367 65
Geo. Stevenson: Wages of plumbers, 319.55; Harrison & Robertson, 421.55 741 10
J. H. McLaren: Clerk of works, 552.00; travelling expenses, 43.50 595 50
Pay lists: Wages men 8,366 13

NORMAL AND MODEL SCHOOLS, TORONTO ($12,272.15).

New addition:—
J. B. Smith & Sons: Lumber, 73.03; Aikenhead Hardware Co.: Hardware, 18.20; McDonald & Willson: Elect. fittings, 307.00; Bennett & Wright Co.: Elect. wiring and supplies, 472.03; Bennett & Wright Co.: Plumbing supplies, 501.28; Can. Cov'g Co.: Cov'g boilers & mains, 262.00; R. D. Bingham: Metal ceil'g, etc., 371.50; Whetter & Co.: Plastering, 17.60; J. B. Snider: Desks, 160.20; Map & School Supply Co.: Blackboards, 104.10; Wm. Simpson Co.: Cases, tables, etc., 358.85; Pay lists: Men employed, 103.40; Henry Martin & Son: Balce. cont., 3,045.00; iron vent. flues, etc., (tender) 777.00; laying plank sidewalk, (tender), 84.00; maple flooring, 58.00; lockers & blackboards, 320.04 7,033 23

Domestic Science:—
Appliances, equipment, etc.: C. Potter, 3.00; Adams Furniture Co., 35.50; W. Junor, 55.25; Rice Lewis & Son, 49.21; Gowans, Kent & Co., 26.14; Meriden Britannia Co., 42.84; Fletcher Mfg. Co., 2.70; Gurney Fdry. Co., 31.75; Burton & Baldwin Mfg. Co., 90.00; (contract), 439.00; McDona'd & Wil'son, 1.35; T. Eaton Co., 60.55; Elliott Son & Co., 40.00; McClary Mfg. Co., 20.41; Library Bureau, 40.00; Geo. Ringham, 14.60; Bennett & Wright Co.: Contract plumbing, 317.00; gas fittings, etc., 41.13 1,313 43

PUBLIC BUILDINGS.—*Continued.*

NORMAL AND MODEL SCHOOLS, TORONTO.—*Concluded.*

Manual Training:—
Appliances, equipment, etc.: G. Ringham, 8.50; Aikenhead Hardware Co., 307.05; J. B. Smith & Sons, 214.00; A. R. Williams Mchy. Co., 189.61; Chas. Rogers & Sons Co., 127.50; Burton & Baldwin Mfg. Co., 98 00; Bennett & Wright Co., 39.41 .. 983 27
Patton & Crowe: Fire extinguishers, 120.00; J. B. Smith & Sons, 94.80 .. 214 80
Office Specialty Mfg. Co.: Chairs for lecture rooms, 493.20; Geo. Ringham: Repairing roof, 293.35 .. 786 55
Bennett Wright & Co.: Radiators, pipe, etc., 473.73; J. B. Smith & Sons: Lumber, 16.07 489 80
Wm. Elliott Son & Co.: Contract painting, decorating, etc., class rooms and corridors 635 25
J. B. Thomson & Co.: Painting, 74.90; Howard & Leach Paving Co.: Concrete walk and steps, 420.40 .. 495 30
Henry Martin & Son: Contract, sheeting ceilings, lecture rooms .. 320 52

NORMAL AND MODEL SCHOOLS, OTTAWA ($3,782.74).

Domestic Science:—
Appli'ces, equipment, etc: J. C. Enright, 103.51; R. Tobin, 193.00; Graves Bros., 81.42; Jas. Morrison Brass Mfg. Co., 17.82; Butterworth & Co., 381.82; W. A. Murray & Co., 25.00; Davidson & Thackray, 36.50; J. B. Dufond, 3.40; Le Blanc & L'Ecuyer, 24.50; Ottawa Gas Co., 4.60; Bryson, Graham & Co., 170.87; Harris, Campbell Furniture Co., 24.30; W. S. Howe, 43.50; Ryrie Bros., 7.50; Thompson & Livock, 6.30; A. Rosenthal & Sons, 7.25; Burton & Baldwin Mfg. Co., 40.00 .. 1,171 49
Manual Training:—
Appliances, equipment, etc.: Blyth & Watt, 6.50; J. H. Smith, 6.00; Graves Bros., 3.85; J. Guillet, 25.55; Thompson & Livock, 181.00; Aikenhead Hardware Co., 9.88; Steinberger, Hendry Co., 127.42; Christie & McCreadie: Cont., alterations, 320.00; Christie & McCreadie: Cont. lumber, 174.04 .. 854 24
Assembly Hall, Class Rooms, etc.:—
Office Specialty Mfg. Co.: Tables & chairs, 428.00: Davidson & Thackray: Laying floors, 250.00; sash, 33.00; C. P. Ry. Co.: Freight charges, 46.56 757 56
Powers & Co.: Repairing boilers, 405.55; J. J. Murphy: Repg. roofs, 28.00 .. 433 55
O'Reilly & Murphy: Electric wiring, 37.19; Patton & Crowe: Fire extinguishers, 90.00 127 19
Gutta Percha & Rubber Co.: Hose & couplings, 76.30; Thompson & Livock: Pipe, valve, hose, etc., 276.71 .. 353 01
McFarlane & Douglas: Tinning doors, 40.00; F. R. Heakes: Trav. exps., 45.70 .. 85 70

NORMAL SCHOOL, LONDON ($90.00).

Patton & Crowe: Fire extinguishers .. 90 00

SCHOOL OF PRACTICAL SCIENCE ($144,466.20).

Chemical Mining & Milling Buildings:—
G. Duthie & Sons: Contract, roofing and iron work, 4,203.00;
A. J. Brown: Account contract, carpenter and joiner work, 20,301.00;
John Aldridge: Account contract, brick and masonry work, 14,241.00;
Hy. Martin & Sons: Account contract, whole work, milling building, 5,885 00;
Purdy, Mansell & Co.: Cont. heating & ventilation, 23,310.00; boilers, 8,705.00;
W. J. Hynes: Acct. plaster'g, etc., 4,332.00; Ross Bros.: Acct. pn't'g, etc., 6,660.00;
W. J. McGuire & Co.: Accounnt contract, plumbing, 1,800.00; electric wiring, 8,280.00;
Exp'd Metal Co.: Cont. fireproof floors, 1,960.00; Power Bros.: Cont. ridge vent., 442 94;
Can. Otis Elevator Co.: Account contract, electric elevators, 1,710.00;
Electrical Construction Co.: Account contract, engines and dynamos, 4,050.00;
Underfeed Stoker Co.: Account contract, stokers to boilers, 2,000.00;
J. G. Gibson Marble Co.: Contract, marble work, lavatories, 745.00;
Dominion Bridge Co.: Plate girders, 1,675.00; Milton Pressed Brick Co.: Brick, 26.25; G. Duthie & Sons: Cleaning ice & snow from floors, 140.00;
Eureka Mineral Wool Co.: Asbestos paper, 300.64;
W. Maguire: Brick, sand, etc., 68.43; W. J. Hynes: Plaster'g concrete ceil'g, 98.35;
Rice Lewis & Son: Tile work lvty., 525.00; Consumers' Gas Co.: Gas connection, 10.00;
Ross & Holgate: Account professional services, electric and boiler plant, 400 00;
H. C. McBride: Services and expenses examining plans and fortifications, 99.15;
S. H. Woodbridge: Professional services re heating and ventilation plans, 800.00;
Jno. O'Connor: Services clerk of works, 700.00; J. Sullivan: Srves insp., 133 20;
Geo. Henry: Services as inspector, 645.00 .. 113,765 96

PUBLIC BUILDINGS.—*Continued.*

SCHOOL OF PRACTICAL SCIENCE.—*Concluded.*

Equipment Chemical, Mining and Milling Buildings:—
C. Rogers & Sons Co.: Specimen cases, 608.50; on account construction of gallery and screens, 1,000.00; contract furnishings, 2,430.00;
Can. Office & School Furn. Co.: Desks, 60.50; Gwynne, Ltd.: Quad pumps, 1,270.38;
Hadfield Steel Foundry Co.: Crusher, steel mantles, etc., 552.84;
Wm. Hamilton Mfg. Co.: On Account shafting, tanks, etc., 2,000.00; Account milling and crushing machinery, 2,000.00;
Bonnett Furnishing Co.: Folding tables, settees, chairs, etc., 2,821.80:
Keith & Fitzsimons: Account contract plumbing laboratories, 5,157.00;
T. Eaton Co.: Window shades, 399.50 .. .. 18,300.52

Appliances, apparatus, etc.:—
Weston Electric Co., 15.40; Fletcher, Russell & Co., 340.38;
Weston Electric Instrument Co., 180.00; Leeds & Northrup Co., 121.65;
Band & Taltock, 215.40; W. Goddard, 15.70; Bender & Hobein, 14.10;
L. Overtling, 352.21; Willyoung & Gibson Co., 18.65; W. J. Wilson, 15.50;
W. J. Loudon, 15.00; Central Electric Supply Co., 66.03; J. McCausland & Son, 6.25:
Chandler & Massey Co., 75.74; N. Gaetner & Co., 504.56; C. H. Stochling & Co., 132.91;
Ambrose Kent, 6.75; Sauveur & Whiting, 49.47; Jones, Moore Elect. Co., 101.00;
Chas. Potter, 230.18; Fletcher Mfg. Co., 8.00; L. E. Knott Apparatus Co., 11.25;
A. W. Hall Scientific Co., 287.20; Dean Bros., 21.54; Bousch & Lomb, 85.00;
A. J. Thompson Co., 192.50; J. Davis & Son, 34.50; Sawyer & Massey Co., 65.00;
Jno. Inglis & Co., 49.85; Max Kachler & Martini, 1,000.40;
Robinson & Heath: Express, freight, duty and brokerage, 198.05;
Trav. Expenses: B. O'Byrne, 6.75; G. A. Richardson, 9.30; H. E. Moore, 12.65 4,453 88
Gustav Voight: Apparatus for demonstration purposes, old building 267 00
D. Olier Engineering Co.: do do do 400 00
Geo. Henry: Contract, removing partition, old building 35 00

Grounds:—
J. Sercombe: Sodding, 342.15; levelling grounds, etc., 1,637.97;
Jno. Preston: Crushed stone, etc., for walks, 1,102.05; overseeing bldg. roads, etc., 79.50; cement walks & roadway, 2,317.46; levelling grounds, 1,310.38;
T. Tomlinson & Son: Culvert gratings and traps, 33.00;
City of Toronto: Proportion of cement sidewalk, 294.85;
Pay lists: Wages of laborers on grounds, 121.48 .. .. 7,238 84

AGRICULTURAL COLLEGE ($31.959.46).

Macdonald Institute:—
G. M. Miller & Co.: On account architect's fees, 3.900.00;
Stevenson & Malcolm Co.: Contract putting in sinks, 333.75;
Lumber: H. A. Clemens & Co.: 70.72; R. Stewart, 89.95;
Hardware: G. B. Morris, 1,017.76; Scarfe & Co., 5.00;
M. O'Donell: Iron work, 11.10; F. Shafer: Tile, 23.45;
Can. General Elec. Co.: Lamps, 88.00; Schultz Bros. Co.: Picture moulding, 250.12;
J. Morrison Brass Manufacturing Co.: Electric portables, etc., 216.88;
Gutta Percha & Rubber Manufacturing Co.: Fire hose, 240.50;
Apparatus, appliances, etc:—
Chandler & Massey, 459.11; M. O'Brien, 11.10; J. Watson Mfg. Co., 16.00;
Am. Entomological Socy. 62.75; Steinberger, Hendry Co., 34.88; Lbry. Bur., 22.15;
Ont. Agricultural Seed Co., 2.35; W. Scrimgeour, 100.50; C. Potter, 4.40;
T. G. Rice Mfg. Co., 26.25; Aikenhead H'dw're, Ltd., 3.00; Geo. Sparrow & Co., 279.05;
Hamilton Engine Packing Co., 19.50; Guelph Painting & Decorating Co.,20.98;
Guelph Light & Power Co., 28.23; Can. General Electric Co., 447.97;
Hamilton Stamp & Stencil Works, 13.80; McLean Mfg. Co., 175.50;
Rice Lewis & Son, 12.50; H. A. Clemens, 54.65; Toronto Con. of Music, 43.01;
Nordheimer Piano Co.: 3 pianos, 900.00; J. Hoodless Furniture Co.: Ref'g'tor. 34.00;
Furniture, Mattrasses, etc:—J. Davidson, 959.50; Jones Bros. & Co., 200.40;
N. A. Bent Chair Co., 179.30; Globe-Wernicke Co., 35.65; J. C. Mundell & Co.. 6.25;
W. P. Godard, 51.00; J. Hoodless Furniture Co., 1,356.06;
W. A. Murray & Co.: Shades, 280.70; Jno. Kay Son & Co.· Carpets & rugs, 127.07;
G. B. Ryan & Co.: Blankets & quilts, 117.23; furnishings, 1,362.71;
Robt. Simpson Co.: Rugs, 43.00; T. C. Watkins: Quilts, 254.45;
Crockery, glassware, etc.: W. Junor, 765.67; Gowans, Kent & Co., 11.18;
J. A. McCrea, 214.03;

PUBLIC BUILDINGS.—*Continued.*

AGRICULTURAL COLLEGE.—*Concluded.*

Macdonald Institute.—*Concluded*—
Furnishings: G. D. Pringle, 26.00; O. B. Stanton Co., 2.75; Vokes Hardware Co., 28 76; Can. Wringer & Specialty Co., 21.00; H. Occomore & Co., 66.10; Meyer Bros., 26.40; Fletcher Mfg. Co., 1.80; Wood, Vallance & Co., 15.00; T. Eaton Co., 9.03; W. A. Clark, 30.00; Barrie Wicker Work Mfg. Co., 15.45; Teaming: H. Barton, 20.00; C. E. Pembleton, 66.50; Guelph Cartage Co., 352.81; Grading: Guelph Teaming Co., 756.69; Pay lists: Wages men employed, 1,249.70; G. Witter: Stone, 18.60; A. Heffernan: Duty & brokerage, 225.93; Express charges: Can. Express Co., 1.20; Dom. Express Co., 8 00; Freight charges: G. T. Railway Co., 130.63; C. P. Railway Co., 33.86 .... 18,094 29

Massey Building:—
J. Morrison Brass Mfg. Co.: Bath, boiler etc., 65.70; alters to elect. lights, 320.18; R. W. Phillips: Fitting up bath, 9.50; A. Robertson & Son: Castings, 15.45; G. B. Ryan & Co.: Shades, 34.58; Waters Bros.: Frames, etc., 7.00; T. O. Page: Collection birds' eggs, etc., 120.00; Pay lists: Wages, 57.74.... 630 15

Apparatus, appliances, etc., for Laboratories:—
H. J. Green, 32.65; Jas. Robertson, 12.65; Am. Entomological Co., 36.94; Lyman Sons & Co., 162.52; Revieu Generale De Lait, 3.24; Map & School Supply Co., 149.67; J. F. McBride, 27.60; Columbia Supply Co., 10.00; C. MacMillan, 50.00; Mahoney Bros., 5.20; Eimer & Amend, 153.26; A. Rumford, 6.90; Chandler & Massey, 24.48; H. Occomore, 94.40; R. W. Phillips, 29.74; Guelph Light & Power Co., 70.73; Steinberger, Hendry & Co., 167.33; Art Metropole, 3.50; H. A. Clemens Co., 100.89; J. Seamen, 32.50; G. D. Pringle, 16.10; Cambridge Botanical Supply Co., 50.86; Keuffel & Esser, 40.95; Central Electric Supply Co., 40.75; L. E. Knott Apparatus Co., 13.14; E. Leitz, 487.00; Toronto Pottery Co. 8.32; G. B. Morris, 8.25; Dom. Radiator Co., 308.64; Fred Smith, 187.87; Chemical Surgeons' Supply Co., 140.30; Dom. Express Co.: Charges, 1.60; Can. Express Co.: Charges, .50; Freight charges: C. P. Railway Co., 1.83; G. T. Railway Co., 1.34; A. Heffernan: Duty & brokerage, 30.10..... 1,511 75

Museum:—
Jones Bros. & Co.: Cases, 700.00; Am. Entomological Co.: Tablets, 18.80.... 718 80

Lavatories:—
Toronto Coral Marble Co.: Coral marble floor, 199.80;
Stevenson & Malcolm: Account contract plumbing, 1,530.00;
Jones Bros. & Co.: Mirror, 7.00 .. .. 1,736 80
Schultz Bros. Co.: Greenhouse contract 1,300 00

General Repairs:—
Lumber, etc.: H. A. Clemens Co., 394.72; R. Stewart, 678.32; J. Kennedy: Sills & stone, 11.74; A. M. McConnell: Sand, etc., 11.50; F. Howitt: Sand, etc., 13.00; Standard White Lime Co.: Lime, 29.91; Hardware: G. B. Morris, 488.50; Vokes Hardware Co., 36.09; J. M. Bond: Pipe castings, etc., 247.30 Jas. Morrison Brass Mnfg. Co.: Closets, castings, etc., 290.19;
Crowe Iron Works: Castings, 27.75; A. Robertson & Sons: Castings, 46.49; Jas. Robertson & Co.: Castings, 68.46; Smith Calfas: Brick, 76.20..... .... 2,420 17

Furnishings:—
G. B. Morris, 146.67; D. E. Macdonald & Bro., 12.90; M. P. Warren, 8.25; Fletcher Mfg. Co., 15.50: Waters Bros., 14.35 .. .. 197 67
Cooking apparatus, etc.: Gurney Foundry Co., 855.60; M. P. Warren & Co., 272.65 1,128 25
Jos. Wood: Platering, 198.30; F. Smith: Plumbing steamfitting, etc., 185.11 ..... 383 41
Fibre Asphalt Co.: Roofing, 33 47; W. Russell: Cement walks & floors, 152.30 .... 185 77
Waterous Engine Works: Engine, 291.80; Wm. Bruce: Pipe covering, 189.33..... 481 13
Mineral Wool & Asbestos Co.: Packing, 27.50; Toronto & Ham. Elec. Co.: Gen., 290.00 317 50
Freight charges: Guelph Ry. Co., 4.80; G. T. Ry. Co., 64.08; C. P. Ry. Co., 7.13 76 01
Express charges: Can. Express Co., 1.35; Dom. Express Co., 4.15.... 5 50
Guelph Street Ry. Co.: Balce due construction additional switch 221 25
Pay lists: Wages: Carpenters, laborers, etc. 1,463 51
Trav. expenses: H. E. Moore, 3.50; F. R. Heakes, 12.25; M. J. Quinn, 11.75..... 27 50

PUBLIC BUILDINGS.—*Continued.*

EASTERN DAIRY SCHOOL, KINGSTON ($8,910.94).

McKelvey & Birch: Contract, addition.. ..... 6,919 00
do Account contract plumbing and heating 720 00
Wm. Newlands: Architect's fees, superintending 334 35
Selby & Youlden: Boiler, 649 00; bricking in boiler, 225.00 ..... 874 00
G. R. Tomlinson: Electrical work and supplies 30 59
F. R. Heakes: Trav. expenses, 10.00; M. McBrearty: Trav. expenses, 18.00..... 28 00
Can. Freeman: Advertising tenders 5 00

CHILDREN'S SHELTER, TORONTO ($7,012.35).

Cassels, Cassels & Brock: Purchase of building on College street..... 6,000 00
do Legal services do 59 00
Dominion Bridge Co.: Beams 3 25
McDonald & Willson: Gas range, etc., 12.00; electric wiring, fixtures, etc., 226.93 238 93
Geo. Knox: Bell hanging, 5.00; Windsor & Woodley: Con. paint'g, decor'g, etc., 393.76 398 76
T. Eaton Co.: Furniture, 62.00; J. F. Brown & Co.: Carpets, oil cloth, etc., 154.35 216 35
W. A. Murray & Co.: Blankets, quilts, etc..... 38 63
Jno. Kay, Son & Co.: Velour, poles, etc 16 53
T. A. Crowley: Pictures 40 90

DISTRICT OF ALGOMA ($6,354.92).

Lock-up, Chapleau:—
Langis & Jackman: Stove, etc., 26.03; Wilson Bros.: Cell door, 7.10;
J. J. Adams: Repg. cell door, 2.25; C. P. Ry. Co.: Freight charges, 4.55.... 39 93
Lock-up, Chelmsford:—
Treas. Tp. Chelmsford: Grant in aid of erec., 500.00; R. P. Fairbairn: Trav. exp., 11.90..... 511 90
Gaol, etc., Sault Ste. Marie:—
J. J. Cullerton: Con. heat, 3,275.00; bricklaying, carpentering, plaster'g, etc., 112.99;
Geo. Woolwich: Cont. plumbing, 1,487.00 Soo Elec. Co.: Cont. wiring, 200.00;
Soo Elec. Co.: Lamps, etc., 42.55; Farrell & Gallagher: Plumb., cast. etc., 279.85;
McDonald & Willson: Elec. fixtures, 190.00; McPhail & McCarty: Castings, 83.71;
C. J. Pim: Insp. re sewer connections, 3.00; W. Hallam: Paper hang'g, etc, 14.19
Travelling expenses: M. J. Quinn, 79.25..... 5,793 54
Lock-up, Cutler:—
Loveland & Stone: Hardware 9 55

DISTRICT OF THUNDER BAY ($2,281.69).

Lock-up, Port Arthur:—
Thos. Hanley: Cont. fireproof vault, 995.00; G. N. Reynolds & Co.: Vault doors and shutters, 245.00; Wells & Emmerson: Installing heating plant, 1,000.15;
J. L. Matthews & Co.: Linoleum, etc., 38.54; McArthur & Wilson: Cedar posts, 3.00 2,281 69

DISTRICT OF MUSKOKA ($582.85).

Harrison & Robertson: Acct. contract hot water heating gaol, etc., Bracebridge 575 00
Travelling expenses: M. J. Quinn..... 7 85

DISTRICT OF PARRY SOUND ($246.21).

Court House, etc., Parry Sound:—
P. J. Kavanagh: Tuck ptg., etc., 136.50; Lount & Smith: Carpentering, etc, 107.96;
Travelling expenses: F. R. Heakes, 1.75 ..... 246 21

NIPISSING DISTRICT ($2,812.31).

Registry Office, etc., North Bay:—
W. A. Martyn: Cont., 1,997.00; W. A. Martyn: Tuck point., decorating, etc., 152.22;
J. & J. Taylor: Dble div. doors, 223.00; H. Marceau & Son: Con. shed & lay floor, 90.00;
F.J.Martyn: Desk,table & chairs, 52.00; J. Robertson: Con. cement walk & steps, 85.00;
W. W. Smith: Bookcase, 10.00; Thompson & Angus: Fees supt. erection, 57.53 2,671 75

PUBLIC BUILDINGS.—*Continued.*

NIPISSING DISTRICT.—*Concluded.*

Lock-up, Bonfield:—
J. Loughrin: Stove, etc., 21.00; John Shayer: Purchase of land, 35.00;
Purvis Bro.: Electric fittings, etc., 23.96; Trav. expenses: F. R. Heakes, 21.20 101 16
Lock-up, Sudbury:—
Sudbury Bld'g Supply Co.: Lumber, 12.80; Purvis Bros.: Ladder, 9.60.. 22 40
Lock-up, Mattawa:—
J. Bourgeau: Steps and stairs 17 00

DISTRICT OF RAINY RIVER ($2,295.45)

Registry Office, Fort Francis:—
S. C. Shannon: Bal. of cont., 470.00; W. J. Innes: Bldg. wood shed, 200.00;
Office Specialty Co.: Roller shelves & docu't fyles, 435.00; M.J. Floyd: Furn, etc., 95.35;
C. J. Hollands: Fees supt. erection, 50.00; Can. Northern Ry.: Freight, etc., .75 1,251 10
Court House, Rat Portage:—
A. T. Fife & Co.: Steam heating, plumbing, etc., 544 35
Treasurer Tp. of VanHorne: Grant in aid of lock-up at Dryden 500 00

Total Public Buildings ... 425,833 04

PUBLIC WORKS.

LAKE NIPISSING BRIDGE ($3,651.34).

F. Dupuis: To pay wages of men, 1,819.77; 103 days as overseer, at 3.50, 360.50			2,180 27
do	do	provisions, 486.27; to pay for camp equipment, 18.78	505 05
do	do	tools, h'dw're, etc., 35.50; do feed, 232.46	267 96
do	do	cutting and sawing lumber, etc.	271 11
			3,224 39
		Less advanced in 1903, 200.00, and supplies sold, 65.20	265 20
			2,959 19
B. Lemieux: 26 days as overseer, @ 2.25, 58.50;		to pay wages of men, 283.03;	
do	do	provisions and supplies, tools, etc., 63.64	405 17
Supplies:—			
A. Hamilton: 65.30; C. Putnam: 50.05; N. Dubeau: 37.02; L. Godelph: 27.35			179 72
F. Little: Spikes, iron, etc., 72.01; B. Wickett: Services inspection, 4.00 per day, 12.00;			
Do Travelling expenses, 23.25			107 25

WABIS RIVER BRIDGE ($2,773.33)

John McCracken, to pay:—G. Delury, overseer, @ 3.00 per day, 294.00		
Pay lists: Wages, 621.63; Ironwork, 198.01; timber, etc., 603.73;		
Meals for men, 163.96; Right of way, 15.00;		
W. K. McNeil, overseer @ 2.00 per day, 69.50; wages of men, 499.64;		
A. D. Hermiston, overseer, @ 2.00 per day, 20.00; wages of men, 70.46		
Postage, .90	2,556 83	
Less advanced in 1903	1,400 00	
		1,156 83
W. Fisher, overseer @ 2.00 per day, 160.00; wages of men, 1,277.67;		
Tools, etc., 30.00; lumber, etc., 51.98; blacksmithing, 11.60;		
Right of way, 50.00	1,581 25	
Less sale of lumber	25 00	
		1,556 25
J. McCracken: Services as inspector		60 25

SUNDAY CREEK BRIDGE. ($603.00.)

Jas McDonald: On account contract, 600.00; F. J. Preston: Protecting bridge, 3.00 603 00

PUBLIC WORKS.—*Continued.*

LA BLANCHE RIVER BRIDGE ($2,929.87.)

Jno. McCracken, paymaster: To pay T. S. Taylor, overseer @ 2.50 per day	50 00
Pay lists, 301.56; lumber, timber, etc., 28.13; groceries and supplies, 70.77	400 00
Feed, 117.57; tools, 14.55	132 12
	582 58
Less hay sold	11 50
	571 08
Jas. McDonald: Contract bridge, lot 6 & 7 Evanurel, 667.74; lot 8 Evanturel, 150.40	818 14
do lot 8 Marter and Evanturel, 650.95; lot 9 732.30	1,383 25
do bridge repairs, lots 6 & 7 Evanturel	51 40
John McCracken: Services inspector, 5.00 per day, 95.00; expenses, 11.00	106 00

COMBERMERE BRIDGE. ($1,254.50.)

W. Edwards: To pay wages men employed, 656.20; M. H. Lynn: Services as inspector, 4.00 per day, 124.00	780 20
Fred Train: Accountable, 75.00; D. C. Leckie: Iron work, etc., 45.55	120 55
Toronto Bolt & Forging Coy.: Rods, bolts, plates, etc., 269.60; W. E. James: Spikes, nails, etc., 29.73	299 33
W. Boyle: Timber, etc., 14.42; F. Train: Trav. expenses, self and men, 18.15	32 57
T. W. Burton: Trav. expenses	21 85

STEEL BRIDGE, LAKE OF THE WOODS. ($15,884.78.)

Kel'y Bros.: Contract, sub-structure, 3,800.57; Locomotive Machine Co., 11,205.00	15,005 57
Rat Portage Lumber Co.: Lumber, 41.60: A. T. Fife & Co.: Iron work, 34.55	76 15
T. W. Burton: Inspector, 3.00 per day, 474.00; Trav. expenses and disbursements, 197.31	671 31
R. P. Fairbairn: Trav. expenses	131 75

SWING BRIDGE, RYERSON. ($1,895.06.)

Wm. McLaughlin: Contract, 178.06; timber, 206.64	384 70
J B. Smith & Sons: Lumber, 346.75; S. Marsden: wood, 9.00; A. Leggate: stumpage, 5.60	361.35
A. A. Agar: Supplies, 57.47; Lamb & Smith, 72.50; A. Millar, 34.95	164 92
J. Wiseman: Supplies, 2.10; livery hire, 2.50; Hilliar & Clark: spikes, etc., 44.53	49 13
J. H. McGuire: Board of men	3 25
Pay lists: Men employed	913 26
Travelling Expenses: W. O'Neil, 13.25; G. Winckeroth, 5.20	18 45

STANLEY BRIDGE, THUNDER BAY. ($4,860.57.)

E. Anderson: Timber, etc., 82.20; A. Todd, 344.74; J. Modine, 54.00	480 94
E. Sundberg, 115.60; Vigars & Co.: lumber, 78.59; Pigeon River Lumber Co.: lumber, 1.161.35	1,355 54
Northern Land Lumber Co: Lumber, 458.06; Wells & Emmerson: hardware, tools, etc., 548.26	1,006 32
Woodside Bros.: Hardware, etc., 42.93; J. Jackson: supplies, 6.50	49 43
Dom. Fish Co., 6.30; A. Wilson, 110.50; W. F. Fortune, 87.02	203 82
W. C. Campbell & Co.: 85.06; W. C. Dalton, blankets, 36.75	121 81
N. McDougall: Inspection, one day, 7.00; Can. Northern Railway: freight chgs., 37.67	44 67
Pay lists: Men employed	1,598 04

BLIND RIVER BRIDGE ($940.05).

Soo Lumber Co.: Lumber, 63.80; Eady Bros.: lumber, 70.76: freight chgs, 11.16	145 72
Michigan Land & Lumber Co.: 6.63; F. Braithwaite, nails, etc., 17.05	23 68
Algoma Iron Co.: Bolts, washers, etc., 131.71; C. Mathie, 193.35	325 06
R. Lang to pay fares of men, 7.90: C. P. Railway: freight charges, 62.76	70 66
J. F. Boyd: To pay postage, .30; inspection, 6 days, 42.00; trav. expenses, 9.65	51 95
Pay Lists: Wages of men	1,222 98
	1,840 50
Less advanced in 1903	900 00
	940 05

PUBLIC WORKS.—*Continued.*

SEVERN BRIDGE ($2,500.00).

Treasurer County Simcoe: Grant towards construction 2,500 00

SEQUIN RIVER BRIDGE ($3,754.00).

Hamilton Bridge Works Co.: Contract superstructure 3,685 00
Alex. Dick: Inspection..... 69 00

RAINY RIVER ROAD BRIDGES ($2,361.01).

W. J. Anderson: Accountable, 1,000.00; J. A. Tierney: Inspection, 5.00 day, 15.00 1,015 00
Pay lists: Wages men, 276.57; G. Kydd: Lumber, 51.20; J. Locking: Lumber, 43.94 ... 371 71
Rat Portage Lumber Co.: Lumber, 544.76; J. Reed, 246.00 ..... 790 76
Supplies: A. W. Matthewman: 8.47; C. B. Stewart: 57.28; R. B. Langstaff, 6.25 72 00
W. J. Holmes: Iron, etc 44.65; Rainy River Navigation Co.: Freight charges, 66.89 111 54

MUSKOKA LAKES WORKS ($2,438.60).

Lumber, timber, etc.: J. H. McDermott 1 41
Mrs. C. E. Wallis, .96; Mickle Dyment, Sons, 782.28..... 783 24
Spikes, nails, bolts, etc.: W. Hanna & Co., 137.60; R. B. Macury & Sons, 7.83.... 145 43
W. J. Batten: Blacksmithing, 55.28; R. J. Stroud: Stone, 246.00; W. Fowler, 58.00 359 28
Jos. Ruddy: Purchase of water lot, 25.00; J. E. Lount: Abstract title, 1.05 ..... 26 05
W. McCully: Board of men, 37.89; G. Connell & Co., 81.50..... 119 39
Mukoka Lakes Navigation Co.: Fares of men..... 10 50
Alex. Ross: Trav. exp,. 10.10; R. P. Fairbairn, 12.25; J. Brooks, 5.90; M. Mulcahy, 5.90 34 15
G. N. W. Tel.: Telegrams, 1.25; Pay lists: Men employed, 957.87..... 959 12

BURK'S FALLS DOCK ($1,822.99).

J. B. Smith & Sons: Timber, 33.45; Knight Bros. Co.: Do, 50.09..... 83 54
Estate J. T. Young: Hardware, castings, etc., 30.23; Hilliar & Clarke: Do, 94.63 124 86
R Mowery & Sons: Castings, etc., 23.53; J. McCrae: Ironw'k, 3.99; A. Cullen & Sons, 3.10 30 62
Supplies: A. A. Agar, 145.19; Mrs. J. N. Dodds, 9.18; Lount & Smith, 45.73 ..... 200 10
E. Windross: Wood..... 27 00
Towing, etc.: J. C. Wallis, 6.00; Capt. Walton, 26.00; Gerow & Culbert, 10.00. 42 00
Geo. Connell & Co.: Board of men, 24.51; J. A. McEachren, 4.80..... 29 31
A Mills: Exps. & disbursements, 55.59; N. Anderson: Trav. exps., 3.50; G. Wilder, 7.85 66 94
G. T. Ry. Co.: Freight charges, 64.35; Pay list: Wages of men, 1,154.27 ..... 1,218 62

WAWA ROAD BRIDGE ($1,198.39).

C. Grillier: Foreman, at 3.00 per day, 75.00; to pay postage, etc., 1.85;
Pay list: Wages of men, 704.50 ..... 781 35
M. Rothchild: Provisions, etc., 281.80; hire of cooking utensils, 5.00 ..... 286 00
F. M. Reynolds: Meals of men, 2.00; C. P. Ry. Co.: Freight chgs., 3.13; Algoma Cent., .78 5 91
J. F. Boyd: Inspector at 7.00, 84.00; trav. expenses, 38.95; to pay postage, 1.38 .... 124 33

REMOVING OBSTRUCTIONS IN NORTH RIVER ($659.14).

Hamilton Powder Co.: Explosives, 38.75; G. W. Ecclestone, 79.18 ..... 117 93
Macnab Bros.: Tools, 21.86; W. Ecclestone, 2.50; Robinson C'r'ge W'ks: B'ksmith'g, 2.80 27 16
A. Middleton: Use of blast, 10.00; G. Carswell: Teaming, 2.50; M. A. Dunn, 5.00..... 17 50
C. Dunn, 6.00; Mary Dunn, 5.50; M. M. Carswell, 2.50; J. G. Campbell: Disb. 5.65 19 65
Can. Express Co., 3.60; G. T. Ry. Co., .55; W. D. Hall: To pay freight chgs., 3.00 7 15
Pay list: Men employed 469 75

BLACK BRIDGE, MUSKOKA ($1,500.00).

Treasurer Township Draper: Grant towards construction 1,500 00

NOGEY'S CREEK BRIDGE ($481.85).

Robert Shaw: Foreman, at 2.50, 57.50; postage, .30; Pay lists: Men employed, 424.05 481 85

PUBLIC WORKS.—*Continued.*

DEEPENING INDIAN RIVER ($1,421.16).

John Legate: Rooter plow, 27.00; D. Mackenzie: Blacksmithing, 11.22	38 22
R. McDowall: Fees & disbursements, 51.75; Pay lists: Men employed, 1,331.19	1,382.94

CASSIMER CREEK IMPROVEMENTS ($30.56).

J. Boyle: Overseer, 2.25 per day, 28.12; Pay list: Wages of men, 127.70; C. Putnam: Explosives, 3.24	159 06
J. Legrissiler: Explosives, 40.75; P. Fitzgerald: Coal, 1.50; Wm. Burke: Use drill, .75	43 00
E. Lamorex: Cartage, 1.50; A. Duharn: Cartage, 2.00	3 50
	205 56
Less advanced in 1903	175 00

BRIDGE, WASDALE ($1,000.00).

Treas. Co. Ontario: Grant towards construction, 500.00; Treas. Co. Simcoe, 500.00	1,000 00

BRIDGE, JEAN BAPTISTE RIVER ($98.31).

R. W. Austin: Cont., 400.00; T. Harold: Removing and repl'g old bridge, 30.46	430 46
J. McCracken: Inspecting, 5.00 per day, 45.00; trav. expenses, 4.25	49 25
	479 71
Less refund *re* advance, 1903	381 40

BRIDGE, ROUND LAKE ROAD ($19.00).

J. McCracken: Services inspecting, 5.00; H. Robertson: Services protect'g bdge., 7.00; F. Haley: Services protecting bridge 7.00	19 00

BAYSVILLE BRIDGE ($2,047.50).

Treas. McLean & Ridout: Grant towards const., 2,000.00; Pay lists: Men employed, 30.25	2,030 25
Alex. Ross: Trav. exps., 12.00; Can. Express Co.: Charges on diving apparatus, 5.25	17 25

CALABOGIE BRIDGE ($800.00).

Treas. Township Bagot Grant towards reconstruction of bridge	800 00

ECHO RIVER BRIDGE ($1,332.11.)

Echo Bay Lumber Co.: Lumber, 339.79; G. Shirgwank: Timber, 75.60	415 39
A. Findlay: Piles, 144.00; Algoma Iron Works: iron work, 81.69; Moore & Brown: hardware, 12.25	237 94
A. Robertson: Hardware, 6.28; W. P. Rush: Dressing lumber, 2.00; W. Hicks: blacksmithing, 25.35	33 63
A. Findlay: Board of men, 98.55; R. Lang: Trav. expenses and disbursements, 20.49, pay lists: men employed, 526.11	645 15

WAHNAPITAE BRIDGE AND APPROACHES ($4,642.49).

Geo. Gordon & Co.: Timber, 811.98; J. M. Bowland, 75.00; Toronto Bolt & Forging Co.: rods, bolts, etc., 126.63	1,013 61
R. Lillie: Hardware, tools, etc. 103.76; Aikenhead Hardware Co., 8.93	112 69
Victoria Harbor Lumber Co.: Tools, 15.41; D. Somers: Blacksmithing, 12.60; G. Hamilton: Blacksmithing, 1.50	29 51
Can. Construction Co.: Blacksmithing, 4.75; G. Thompson: Use of plow, 6.00	10 75
Provisions: E. Maurice, 184.65; E. Harris, 32.21; F. Rioux, 174.71; H. Harris, 17.50; J. Fortin, 4.20; Victoria Harbor Lumber Co., 27.00; P. Burns & Co., 21.14	461 41

PUBLIC WORKS.—*Continued.*

WAHNAPITAE BRIDGE AND APPROACHES—*Concluded.*

C. Gauthier: Board of men, 25.00; P. Donovan, 3.40; Grand Union Hotel, 23.40; McDonald Bros., 16.80; Victoria Harber Lumber Co., 56.80; T. Braun, 10.00 ..... 135 40
R. H. Paterson: trav. exps., and disbursements, 62.38; R. P. Fairbairn: trav. exps, 22.95 85 33
C. P. Railway: Freight charges, 16.43; C. Britton: Men, teams and labor driving piles, 159.00 ..... 175 43
Pay Lists: Wages of men 2,618 36

DELTA CREEK IMPROVEMENT ($99.24.)

C. N. Philps: Tools, etc., 6.00; A. Halliday: Rope, 2.89; pay lists: Wages, men, 90.35 99 24

MAGANETAWAN RIVER DAM ($569.53).

John Davis: Timber, 268.19; B. Mickle: Timber, 38.66; A. Bailod: Painting sign, 5.00 311 85
J. Brown: Provisions, 3.95; C. F. Radfland, 8.24; Mrs. J. McKinnon: Board of men, 19.83 ..... 32 02
W. O'Neill: Disbursements, 14.25; A. Wells: trav. exps., 4.20; R. P. Fairbairn, 21.85 40 30
Pay lists: Wages of men 185 26

AH MIC LAKE ($214.07).

Croft Lumber Co.: Lumber, 3.06; J. G. Edwards: iron work, 5.35; King Bros. Co.: 1.20 10 21
R. Andrews: Blacksmithing, 42.00; Maganetawan Lumber Co.: Wood, 2.61 .. 44 61
Pay Lists: Wages men 159 25

OUTLET DRAINS ($1,300.00.)

Treasurer Township Brooks: Grant in aid outlet drain, to Durham Creek 1,300 00

BLACK RIVER BRIDGE ($9.48)

B. Wicket: Balance expended in 1903. (See Public Accounts) 9 48

RAINY RIVER DOCK ($75.00).

W. J. Holmes: Purchase of old dock 75 00

DRAINAGE WORKS ($19,763.23).

Treasurer Township		Bosanquet:	Grant towards construction			Nesbit Drain	300 00
do	do	Roxborough	do	do	do	Fraser Creek	300 00
do	do	do	do	do	do	with branch, McIntosh	2,000 00
do	do	Derby:	do	do	do	Pottawattamie	3,000 00
do	do	Douro:	do	do	do	Douro	1,200 00
do	do	Rochester:	do	do	do	Ruscombe	3,000 00
do	do	Tilbury, E.	do	do	do	Forbes Centre	2,000 00
do	do	Mersea:	do	do	do	Pelee Point	2,000 00
do	do	Bromley:	do	do	do	Snake River	5,000 00

Christie Bros.: Tools, 2.25; Butchart Bros.: Tools, 1.75; G. A. Hills: Scraper, 6.00; W. Hempstreet: Blacksmithing, 11.10; J. Legate: plow, 27.00
R. McDonald: Fees, etc., as engineer Mud Lake Drains, 56.25 94 35
Pay lists: Wages of men 968 88

SURVEYS, INSPECTIONS, ETC. ($1,204.40.)

F. P. McNaughton: Office and field work, survey River Aux Raisin, 162.00; J. A. Bell: disbursements, 93.00; D. J. Gillon: 6 days' work, survey Joel Frances water power, 43.00; J. Gagne: Hire of boat re transport, surveyors, 15.00 ..... 324 00
Fitton & Smith: Services and disbursements, self and men surveying line Nottawasaga R.. 277 95

PUBLIC WORKS.—*Continued.*

SURVEYS, INSPECTIONS, ETC.—*Concluded.*

E. T. Wilkie: Surveying, 7.00 per day, Nation R., 67.00; to pay assistance, 15.00; Trav. expenses, 19.85 ..... 101 85

W. A. McLean: Trav. expenses: survey canal between Lakes Matagamasing and Metagamasing and Wahnapitae 56 95

J. S. Laird: Surveying, 6.00 per day, 240.00; F. D. McNaughton, do., 168.00; Harkness & Milligan: Assisting on assessment and report, 55.90; J. S. Laird: To pay men assisting, 49.78; do., to pay board of self and men, 65.50; trav. expenses, 61.85 621 03

Keewatin Bridge: A. T. Fife & Co.: Tools, etc., 1.70; T. W. Burton: to pay assistant, freight, cartage, etc., 14.25 ..... 15 95

Trent Valley Waters: Pay list, men employed, 8.25; trav. expenses: A. Mills, 4.15; P. Grozelle, do., 4.15; Alex. Ross, do., 4.15 ..... 20 70

General expenditure:—

J. Stewart: livery hire, 2.50; R. P. Fairbairn: trav. expenses, 383.47 ..... 385 97

LOCKMASTERS', BRIDGETENDERS' AND CARETAKERS' SALARIES ($5,251.16).

Thos. Walters:	Eight months' salary as	Superintendent	.....	800 00
W. H. White:	Two do	do	do	200 00
W. McIntosh:	Services as	Lockmaster	at Rosedale	240 00
John Makins	do	do	Lindsay	401 00
E. Davidson:	do	do	Port Carling	300 00
P. P. Young:	do	do	Young's Point	401 00
W. Robinson:	do	do	Huntsville	300 00
W. Kennedy:	do	do	Magnetawan	300 00
T. Burgess:	do	Caretaker	works at Bala	300 0
S. Smith:	do	do	dam at Port Sydney	100 00
J. Knoepfly:	do	do	do Ah Mic Lake	160 00
D. Galway:	do	do	works at Norland and Elliott Falls	60 00
Jno. Westlake:	do	do	dam at Mississiqua and Bottle Lake ..	75 00
H. C. Austin:	do	do	do Kinmount	100 00
John Cheney:	do	do	do Scott Mills	50 00
Jas. Bayne:	do	do	do Deer Lake	360 00
N. Lunay:	do	do	do Keewatin	300 00
J. Westlake:	do	do	do Eagle Lake	25 00
do	do	do	do Deer Lake	25 00
Enoch Cox:	do	Bridgetender	Port Sandfield	100 00
D. O'Connell:	do	do	Lindsay	162 50
P. O'Connor:	do	do	do	25 00
C. Campbell:	do	do	Indian Point	50 00
G. Selkirk:	do	do	Huntsville	208 33
A. Miller:	do	do	Ryerson	208 33

MAINTENANCE LOCKS, DAMS, ETC. ($10,296.72)

Timber, etc.:—

T. Burgess, 42.32; E. C. Edwards, 86.55; E. D. Young, 6.60; J. Whiteside, 413.76; Rathbun Co., 30.01; Croft Lumber Co., 414.33; A. Peno, 60.40; G. Gordon, 39.29; McNeill & Co., 24.50; J. Morrison, 74.65; Knight Bros. Co., 54.40; Mrs. A. Hunter: 3.66 1,250 47

Lumber, etc.:—

Irons and Winnacott, 19.00; Mickle, Dyment & Co., 23.67; S. H. Jacobs, 265.77; W. N. Blewet, 9.50; J. B. Smith & Sons, 46.62; T. Simpson, 33.60; W. MacLachlan, 12.36; T. Stinson & Sons, 9.81; Jno. Davis, 99.28 ..... 519 61

P. A. Kearney: cement, etc 9 73

Hardware, tools, castings, iron work, etc.:—

W. Hanna & Co., 15.58; W. J. Batten, 22.91; J. E. Clipsham, 5.00; R. Heard, 4.40; J. G. Edwards & Co., 27.05; G. H. McGee, 10.62; Paterson & Bray, 78.90; McLennan & Co., 70.68; White Bros. 60.67; G. McKnight, 10.29; Alex. Campbell, 1.50; Hillier & Clark, 89.98; J. E. Farrelly, 12.00; F. Davison, 5.85; R. Lillie, 9.07; Wells & Emmerson, 150.45; C. W. Tully, 3.35; A. T. Fife & Co., 14.87; M. Pelletier, 160; J. Welch, 3.10; Rat Portage Hardware Co., J. McCrae, 52.53; A. H. McLachlan, 1.75 ..... 665 20

PUBLIC WORKS.—*Concluded* COLONIZATION ROADS.

MAINTENANCE LOCKS, DAMS, ETC.—*Concluded.*

Provisions and Supplies :—		
Thos. Smith, 2.82; P. Oulette, 5.56; J. E. Fisher, 5.78; J. G. Martin, 72.32;		
Trussler Bros., 28.75; O'Laughlin & McIntyre, 2.15; D. J. Hartwell, 76.40;		
J. Brooks, 5.00; T. Brady, .88; W. L. Robson, 60.03; D. McEwen, 1.00;		
A. Millar, 2.85; Lamb & Smith, 7.03		263 57
Miles Macdonell: Inspecting drive of logs at 3.00 per day; Lake Metegamasing, 42.00;		
trav. exps., 22.65		64 65
T. W. Thomson: Looking after stop logs, Dryden dam		10 00
Driving Apparatus : Ontario Rubber Co., 56.25; Cathro & Co., 2.25;		58 50
Repairing diving Apparatus : W. Webster, 16.96; J. Berry, 1.50		18 46
Board of Men :—		
W. McCully, 13.70; A. Saccett, 22.61; J. Shea, 14.45; M. J. Lacheaur, 32.85;		
A. Graham, 25.40; J. A. Lucas, 23.75; J. H. McGuire, 9.75; J. F. Gilmour, 7.50;		
M. Mulcahy, 1.00; W. E. Brooks, 12.00; D. Bowen, 5.44; G. Cannell & Co., 4.00;		
Mrs. J. McKinnon, 92.25; J. Cook, 8.00; P. A. Barr, 21.15; C. Tillson, 17.50;		
Jas. Bayne, 19.44; D. Roberts, 18.75; A. Peno, 34.85; W. Welch, 12.14;		
S. Switzer, 16.60		407 13
Teaming :—		
W. J. Madill, 4.15; S. H. Jacobs, 10.25; S. A. Sine, 4.00; Robt. Homes, 14.00;		
Jno. Jacques, 26.00; J. Kearns, 2.75; J. H. Doan, 1.00; J. Welch, 4.50; N. Zuefeldt, 1.25		67 90
Livery Hire :		
B. Gunigie, 15.00; J. Kennedy, 7.50; A. Stinson, 45.85; G. Sutton, 2.50;		
J. A. Lucas, 8.00; A. Graham, 2.40; J. H. Mills, 1.50; Mrs. J. McKinnon, 3.00;		
A. S. Roafland, 4.50; D. McKercher, 4.50		91 75
Freight, Express and cartage charges :—		
N. Zuefeldt, 4.31; Wilder & Co., 11.20; Can. Express Co., 27.65;		
J. E. Clipsham & Sons .40; N. H. Sleeman, 10.50; G. T. Railway Co., 1.80;		
C. P. Railway Co., 5.72		61 58
A. Walton : towing, etc		8 50
Travelling Expenses :—		
M. C. O'Donnell, 18.85; J. Pearson, 99.50; W. O'Neill, 70.45; G. Wilder, 50.30;		
W. Barnes, 13.25; P. Grozeile, 6.85; W. H. White, 28.25		267 45
Travelling Expenses and Disbursements :—		
Alex. Ross, 155.78; J. Brooks, 15.33; Robert Long, 21.00;		
A. Mills, 13.15; Estate late T. Walters, 98.35		303 61
Fares of Men :—		
Muskoka Lakes Nav. Co., 6.60; J. Brooks, 20.01; G. Wilder, 24.30		50 91
Bell Telephone Co: messages, .80; Postmaster: postage stamps and rent of box, 3.70		4 50
G. N. W. Tel. Co.: telegrams		4 34
B. Wickett: Accountable Pickerel Bridge, 900.00; Six Mile lake bridge, 400.00		1,300 00
Pay lists :—Wages, men employed		4,850 86
Total Public Works		102,282 34

COLONIZATION ROADS, $175,620.74.

Alice Tp. Roads	W. Phalen: Overseer, 27 days, at 2.25		60 75	
do	Pay lists: Wages of men employed		321 00	
do	W. H. Munro: Rent of wagons, scrapers, etc.		43 35	
			425 10	
do	Less amount of account unpaid		85 10	
				340 00
Alice Tp. Roads	M. Ashick: Overseer, 20 days at 2.25		45 00	
do	Pay lists: Wages of men employed		224 00	
do	Dunlop & Co.: Dynamite, etc.		22 80	
do	Sundry persons: Scraper and tools		15 25	
			307 05	
do	Less sale of tools		16 00	
				291 05

COLONIZATION ROADS.—*Continued.*

Alice 8 Con. Road	F. Daber: Overseer, 9 days at 2.25	20 25		
do	Pay lists: Wages of men employed	121 50		
do	Jno. Stewzal, cedar	4 00		
do	Sdry. persons: Dynamite tools & blacksmithing	6 65		
				152 40
Amable Du Fond Bridge	D. Adams: Overseer, 26 days at 2.50	65 00		
do	Pay lists: Wages of men employed	309 50		
do	J. Wilson: Lumber	17 25		
do	J. Loughrin, tools, etc.	12 00		
do	Postage	10		
		403 85		
do	Less sale of tools	2 80		
				401 05
Appleby and Dunnett Town line	Paul Gervais, overseer, 13 days at 2.25	29 25		
do	Pay lists: Wages of men employed	169 00		
do	V. Poission, repairs to tools	1 35		
				199 60
Appleby and Dunnett Town Line	Jos. Lemoges: Overseer and paymaster			
do	Pay lists: Wages of men employed	107 15		
do	Less amount of account unpaid	17 15		
				90 00
Arden & Harlow Road	J. A. Newton: Overseer, 17½ days at 2.25	39 37		
do	Pay lists: Wages of men employed	155 32		
do	Sdry. persons: Powder, blacksmithing & postage	5 31		
				200 00
Airy Tp. Bridge	Wm. McFarlane: Overseer, 21 days at 2.25	47 25		
do	Pay lists: Wages of men employed	236 25		
do	B. Hartney: Tools	16 25		
do	Freight, postage, etc.	1 01		
				300 76
Ardoch Bridge Repairs	W. J. Fraser: Overs'r & bridge bld., 4 days at 2.25	9 00		
do	Pay lists: Wages of men employed	9 00		
do	W. J. Fraser: Cedar	8 25		
do	Lyon Bros.: Timber	5 44		
do	R. M. Munro: Nails, etc.	1 55		
				33 24
Awenge Road	Malcolm Allan: Overseer, 25 days at 2.25	56 25		
do	Pay lists: Wages of men employed	543 24		
do	Postage, etc.	16		
do				599 65
Ardtrea & Washago Road	Alex. Trimble: Overseer, 8 days at 2.25	18 00		
do	Pay list: Wages of men employed	264 61		
do	Leatherdale & Boyd: Lumber	13 38		
do	G. H. White: Tile	5 67		
				301 66
Axe Lake & Banbury Lake Road	Jas. Daley: Overseer, 14 days at 2.25	31 50		
do	Pay list: Wages of men employed	163 82		
do	W. H Dixon: Tools	5 65		
do	Sundry persons: Lumber, blacksmithing, etc.	4 70		
				205 67
Ashdad & Shamrock Road	John Fitzgerald: Overseer, 15 days at 2.25	33 75		
do	Pay lists: Wages of men employed	166 50		
				200 25
Appleby Con. 2 & 3 Road	Jos. St. George: Overseer, 8 days at 2.25	18 00		
do	do 16 days at 1.25	20 00		
do	Pay lists: Wages of men employed	167 00		
				205 00
Albemarle Tp. Road	E. White: Overseer. 7 days at 2.25	15 75		
do	Pay lists: Wages of men employed	84 12		
do	Powder	18		
				100 0[illegible]

COLONIZATION ROADS.—*Continued.*

Badgerow Tp. Roads	...	Moise Labelle: Overseer, 11 days at 2.25	24 75	
do		Pay list: Wages of men employed	112 50	
do		L. G. Paunt: Timber for bridge	12 56	
do		E. Maurice: Dynamite	60	
do		Camile Deschamp: Overseer, 7½ days at 2.25	16 31	
do		Pay lists: Wages of men employed	131 14	
do		Postage	20	
				298 06
Bancroft and Maynooth Road		John Rody: Overseer, 21 days at 2.25	47 25	
do		Pay lists: Wages of men employed	233 31	
do		G. E. Weaver: Tools and powder	7 33	
do		J. Shields: Use of scraper	5 25	
do		Sundry persons: Blacksmithing, etc	6 86	
				300 00
Barry's Bay and Combermere Road		G. Barneskie: Overseer, 21 days at 2.25	47 25	
do		Pay lists: Wages of men employed	231 00	
do		McCann Bros.: Plow	12 00	
do		Sundry persons: Tools and postage	9 95	
				300 20
Battersea & Bass Lake Road		S. Jamieson: Overseer, 17 days at 2.25	38 25	
do		Pay lists: Wages of men employed	170 93	
do		W. Sutherland: Dynamite, etc.	8 08	
				217 26
Blue Sea Road		Eugene Gauvreau: Overseer, 15½ days at 2.25	35 45	
do		Pay lists: Wages of men employed	240 02	
do		P. Gagnon: Plow	14 00	
do		Sundry persons: Tools, blacksmithing, etc.	10 53	
				300 00
Boulter Road		Jos. Pacaud: Overseer, 14 days at 2.25	31 50	
do		Pay lists: Wages of men employed	178 50	
do		Thos. Cahill, Jr.: Scraper	7 50	
				217 50
Bonfield Road		C. Raincourt: Overseer, 24 days at 2.25	54 00	
do		Pay lists: Wages of men employed	235 88	
do		J. L. Sequin: Plow, etc.	13 40	
do		Sundry persons: Tools, repairs, etc.	12 47	
do		P. Gagnon: Overseer, 18 days at 2.25	40 50	
do		Pay lists: Wages of men employed	135 93	
do		J. Gagnon: Tools, blacksmithing, etc.	6 55	
do		Sundry persons: Tools, cartage, postage, etc.	17 82	
				516 55
Bonfield & Lachapelle		F. Sampson: Overseer, 13½ days at 2.25	30 37	
do		Pay lists: Wages of men employed	165 35	
do		Sundry persons: Tools, blacksmithing, etc.	4 23	
				200 00
Bonfield Road		X. Myre: Overseer, 15 days at 2.25	33 75	
do		Pay lists: Wages of men employed	153 77	
do		J. B. A. Pigeon: Tools	9 55	
do		Sdry. persons: Blacksmithing, wagon hire, etc.	2 93	
				200 00
Byrnes Line Bridge		Thos. Byrne: Overseer, 5 days at 2.25	11 25	
do		Pay lists: Wages of men employed	28 75	
do		J. Scott: Timber	5 00	
do		Craig & Austin: Timber	3 75	
do		Sundry persons, chain and repairs	11 85	
				60 60
Bowles & Shannon Rd		M. R. Bowles, overseer, 20 days at 2.25	236 00	
do		Pay lists, wages of men employed,	176 90	
do		W. H. Sutherland, tools and dynamite	11 55	
do		N. H. Williams, tools	2 45	
			236 00	
do		Less amount of account unpaid	36 00	
				200 00

COLONIZATION ROADS.—*Continued.*

Broughham Tp. Roads	Austin Moran, overseer, 14 days at 2.00	28 00	
do	Pay lists, wages of men employed	178 50	
do	M. Carter, tools	10 45	
			216 95
Brougham Tp. Roads	Ed. Ryan, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	228 00	
do	Postage, etc.	50	
		260 00	
do	Less amount of account unpaid	80 00	
			180 00
Brudenell Twp. Roads	Wm. Corrigan, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	66 24	
do	Paid for use of tools, etc.	3 00	
do	Michael Roche, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	222 95	
do	Tools, postage, etc.	1 75	
do	Wm. Whalen, overseer, 12½ days at 2.25	28 13	
do	Pay lists, wages of men employed	123 00	
do	Sundry persons, tools	7 45	
		513 27	
do	Less sale of tools by Whalen	3 25	
			510 02
Buckhorn Roads	Robert Shaw, overseer, 14 days at 2.50	35 00	
do	Pay lists, wages of men employed	473 44	
do	Sundry persons, tools, postage, etc.	3 55	
			511 99
Burleigh Roads	T. G. Eastland, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	180 01	
do	Sundry persons, tools and freight	6 00	
do	Z. Tucker, overseer at 2.50	72 50	
do	Pay lists, wages of men employed	652 22	
do	C. Robson, livery hire	8 00	
do	Sundry persons, cedar, blacksmithing, etc	3 75	
			953 98
Bright Tp. Roads	Sylvester Horan, overseer, 30 days at 2.25	67 50	
do	Pay lists, wages of men employed	414 00	
do	Dobie & Co., tools	19 60	
			501 10
Barton Lake & Gurd Tp. Con. 16 Road	Robert Barton, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	167 25	
do	Richardson Bros., tools	2 50	
		201 25	
do	Less sale of tools	1 50	
			199 75
Baxter Twp. Roads	Jacques Lamereiux, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	233 25	
do	Georgian Bay Lumber Co., tools	10 62	
do	Sundry persons, use of tools and cartage	5 50	
			294 37
Bethune 5th S.L. Road	Hy Groom, overseer, 14¾ days at 2.25	33 18	
do	Pay lists, wages of men employed	159 40	
do	S. Branthwaite & Co., tools	7 75	
do	Postage, etc.	31	
			200 64
Berridale Road in Armour Twp.	Hy Varcoe, overseer, 14 days at 2.25	31 50	
do	do 11 days at 1.50	16 50	
do	Pay lists, wages of men employed	150 75	
do	Hilliar & Clark, tools	6 35	
			205 10
Beggsborough Road Doe Lake to Sprucedale	W. R. Marshall, overseer, 14 days at 2.00	28 00	
do	Pay lists, wages of men employed	175 60	
do	Sdry. persons, tools, powder, blacksmithing, etc.	6 10	
			209 70

COLONIZATION ROADS.—*Continued.*

Booth Line Road.....	Wm. Gowanlock, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	355 45	
do	Sundry. persons, use of plows, wagons, etc.	7 25	
			403 20
Boundary & Fish Lake Road	Jno. Braund, overseer, 24 days at 2.25	54 00	
do	Pay lists, wages of men employed	231 47	
do	Taplin Anderson & Co., tools, dynamite, etc.	16 01	
			301 48
Bridge over Middle River Lot 17, McKellar.....	B. Wickett, paymaster:—		
do	Paylists, wages of men employed	238 91	
do	F. Simpson, plank, timber, etc.	79 65	
do	W. T. Canning, bolts, etc.	16 55	
do	Sundry persons, tools, spikes transportation, etc	19 23	
			354 34
Buck Creek Bridge, Twp. Ryde	B. Wickett, overseer & builder, 12 days at 3.00	36 00	
do	Pay lists, wages of men employed	47 62	
do	Hard & Co., timber	147 38	
do	M. Devy, lumber	34 80	
do	Sundry persons, spikes, tools, livery, etc.	33 94	
do	B. Wickett, travelling expenses	17 77	
			317 51
Bridge North of Maynooth	J. Allan Barr, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	76 90	
do	G. Weaver, tools, blacksmithing, etc.	2 90	
do	Postage, etc.	50	
			100 55
Bridge, Dowler's Creek	W. H. Gegier, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	117 75	
do	Mackie & Ryan, tools	3 60	
do	Sundry persons, rent of plow, freight, etc.	3 35	
			153 70
Basswood Lake Road..	Jno. McCulloch, overseer, 18½ days at 2.25	41 62	
do	Pay lists, wages of men employed	250 50	
do	Sdry. persons, rent of tools blacksmith'g, ptge., etc.	7 88	
			300 00
Bancroft Bridge	Fred Train, overseer, 18 days at 3.00	54 00	
do	Pay lists, wages of men employed	155 18	
do	Thos. Walker, blacksmithing	17 16	
do	Fred Train, freight, fares of men etc.	15 75	
do	Sundry persons, nails, hardware, etc.	13 58	
			255 67
Bobcaygeon Road	Robert Shaw, overseer, 6 days at 2.50	15 00	
do	Pay lists, wages of men employed	237 75	
do	Postage	20	
do	Wm. Hartle, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	249 00	
do	Sundry persons, tools, blacksmithing, p't'ge. etc.	5 00	
			611 95
Bell's Rapids Road in Bangor .....,...	Aaron Poucher, overseer, 14 days at 2.25 ..	31 50	
do	Pay lists, wages of men employed	167 54	
do	W. Boyle, dynamite	1 00	
			200 04
Bromley Twp. Road, 7 Con.	Jos. Phillips, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	165 00	
do	R. J. Riddell, dynamite	6 75	
do	J. Dillsburgh, cedar	7 25	
			210 50
Brushing Trails	Wm. Margach, paymaster: Accountable	100 00	
do	T. Moor, brushing Lake of the Woods trail	35 00	
do	J. W. Shore, do French Narrows trail	10 00	
do	L. R. Mackay, do Wester's Falls trail..	5 00	
do	C. Barboneco, do Whitefish Lake trail	30 00	
			180 00

COLONIZATION ROADS.—*Continued.*

Brushing Booth Road..	Wm. Jones, brushing road, 21 days at 2.00	42 00	
do	Pay lists, wages of men employed	58 11	
do		100 11	
	Less amount of account unpaid	10 11	
			90 00
Bells Bridge	Jno. Steele, overseer, 24 days at 2.25	54 00	
do	Pay lists, wages of men employed	217 00	
do	E. Lynch, cedar	10 00	
do	J. Jackson, cement	6 00	
do	Sundry persons, tools, scraper, timber, etc.	23 36	
		310 36	
do	Less advanced 1903	250 00	
			60 36
Bancroft & Deer Lake Rd.	Andrew O'Neill, overseer, 16½ days at 2.25	37 12	
do	Pay lists, wages of men employed	147 25	
do	Sundry persons, timber and tools	15 75	
			200 12
Bridge Repairs	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed		62 00
Blezard & Hammer Rd..	N. La Belle, overseer, 22 days at 2.25	49 50	
do	Pay lists, wages of men employed	351 00	
do	Sundry persons, spikes, paint, postage, etc.	16 94	
		417 44	
do	Less amount advanced 1903	350 00	
			67 44
Barrow Bay Road	W. T. Hewton, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	139 18	
do	W. T. Hewton, gravel	13 16	
			179 34
Basinet Road	Aug. Basinet, overseer, 6½ days at 2.25	14 63	
do	Pay lists, wages of men employed	64 50	
do	W. Lalonde & Son, plank	19 20	
do	L. H. Belanger, supplies	2 38	
			100 71
Bridge Servais Road..	Jos. Servais, overseer, 7¾ days at 2.25	17 45	
do	Pay lists, wages of men employed	84 79	
do	Postage	10	
			102 34
Beaudoin Road	D. Beaudoin, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	163 84	
do	D. Beaudoin, tools, etc.	9 75	
			205 09
Black River Bridge	Thos. Kitchen, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	91 87	
do	Thos. Kitchen, timber	26 25	
			149 62
Blackdonald Mining Rd..	Jno. Moore, overseer on account		350 00
Calvin Roads	Jno. Cameron, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	160 50	
do	J. Loughrin, tools	10 88	
do	Jos. Bacon, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	63 75	
do	Jno. Loughrin, tools	2 50	
			302 88
Cameron Twp. Roads	Fred Fillson, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	147 40	
do	J. Loughrin, scraper, dynamite, etc.	15 85	
do	Sundry persons, blacksmithing, dynamite, etc.	3 85	
do	A. Therin, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	165 25	
do	J. Loughrin, dynamite, etc.	4 25	
do	L. Gumache, timber	1 25	
			403 10

COLONIZATION ROADS.—*Continued.*

Cordova Road	J. B. McWilliams, paymaster:—		
do	Pay lists, wages of men employed	491 74	
do	Hy. Davidson, culvert	6 00	
do	Sundry persons, livery	6 50	
do	Travelling expenses	10 50	
		514 74	
do	Less amount of account unpaid	34 74	
			480,00
Cassimer & McPherson North Boundary Road	F. Presse, overseer, 22 days at 2.25	49 50	
do	Pay lists, wages of men employed	327 75	
do	J. Guenette, blacksmithing, tools, etc.	15 70	
do	Sundry persons, tools, dynamite, postage, etc.	8 27	
			401 22
Cavendish Roads	C. Cohen, overseer, 13 days, at 2.25	29 25	
do	Pay lists, wages of men employed	263 74	
do	Craig & Austin, lumber	10 88	
do	Sundry persons, spikes, stationery, etc.	1 63	
			305 50
Chisholm Twp. Roads	P. Bogue, overseer, 17¾ days at 2.25	39 94	
do	Pay lists, wages of men employed	201 78	
do	Porter & Co., tools	8 02	
do	Sundry persons, blacksmithing, postage, etc.	1 95	
do	H. Anderson, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	153 38	
do	H. T. Burton, road scraper	8 50	
do	Sundry persons, tools and repairs	4 60	
do	Robert Owens, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	157 63	
do	Porter & Co., hardware, etc.	4 95	
do	Sundry persons, blacksmithing, postage, etc.	4 40	
do	P. J. Meredith, overseer 17¾ days at 1.40	24 85	
do	Pay lists, wages of men employed	124 1'	
do	M. Carr, axe handles	1 25	
			802 25
Chisholm Road	N. Clement, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	179 75	
do	Sundry persons, tools, repairs and postage	2 65	
			202 65
Chisholm (Wasa Creek) Bridge	Wm. Cooper, overseer, balance 1903		20 59
Clarendon and Sharbot Lake Road	Jos. A. Burke, overseer, 13½ days at 2.25	30 37	
do	Pay lists, wages of men employed	166 83	
do	J. H. Cannon, tools, etc	3 80	
do	Postage, stationery, etc.	50	
			201 50
Clarendon and Mississippi Road	Isaac Allen, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	218 40	
do	Isaac Allen, cedar, 37.33; spikes, etc., 8.72	46 10	
			302 80
Cosby Twp. Roads	C. Ouilette, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	164 25	
do	S. Ouilette, rent and repairs of tools	6 50	
do	H. Lahaie, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	152 63	
do	Sundry persons, tools, blacksmithing, etc.	9 95	
		404 88	
	Less amount of account unpaid	20 00	
			384 90

COLONIZATION ROADS.—*Continued.*

Canarvon, 12 Con. Rd..	David Williamson, overseer, 22½ days at 2.25....	50 06	
do	Pay lists, wages of men employed.....	413 96	
do	D. Campbell, blasting.....	17 00	
do	W. Vincer, plank.....	13 48	
do	Sundry persons, tools, blacksmithing, etc.....	6 75	
			501 25
Campbell, 10 Con. Road.	Geo. Brooks, overseer, 16 days at 2.25.....	36 00	
do	Pay lists, wages of men employed....	165 07	
			201 07
Carpenter & Lash Town Line Road	C. W. Hughes, overseer, 19 days at 2.50..... ..	47 50	
do	Pay lists, wages of men employed....	517 91	
do	Holmes Bros., groceries, etc.....	186 21	
do	S. Whiddon, 250 rods x-way timber.....	227 50	
do	R. B. Langstaff, provisions.....	10 50	
			999 62
Carpenter & Burris Rd..	C. W. Hughes, overseer, 30 days at 2.50....	75 00	
do	Pay lists, wages of men employed....	693 56	
do	Holmes Bros., groceries and provisions	141 93	
do	G. Strachan, groceries, etc.....	32 75	
do	McMillan Bros., plank.....	24 48	
do	Sundry persons, plank, iron, provisions, etc....	39 95	
			1,007 67
Coffin 2 Con. Bridge	M. McGregor, overseer and bridge builder, 2 days at 2.50	5 00	..
do	Pay lists, wages of men employed.....	7 75	
do	Sundry persons, chain and postage.....	6 20	
			18 95
Conmee Road to extend	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed.....	519 44	
do	S. Downing, groceries, etc.....	57 67	
do	Wells & Emmerson, tools and outfit.....	22 55	
do	Sundry persons, vegetables, etc.....	8 38	
		608 04	
	Less amount of account unpaid.....	128 04	
			480 00
Crozier, Devlin & Lash..	A. Luttrell, overseer, 18 days at 2.50....	45 00	
do	Pay lists, wages of men employed....	503 19	
do	Jas. O'Connor, crossway timber, 81 rods at 1.15..	93 15	
do	R. B. Langstaff, provisions.....	101 04	
do	C. R. Langstaff, provisions.....	90 05	
do	E. Tompkins, tools.....	39 10	
do	Sundry persons, provisions, postage, stationery, etc.....	15 67	
do	C. Kerr, overseer, 31 days at 2.50.....	77 50	
do	Pay lists, wages of men employed	704 85	
do	Holmes Bros., groceries and provisions.....	117 94	
do	Martin Bros., groceries, etc	25 51	
do	G. Strashaw, beef.....	24 00	
do	Sundry persons, provisions, lumber, tools, etc..	51 17	
		1,296 17	
	Less sale of lumber.....	8 00	
			1,878 17
Crozier and Lash Roads.	C. Kerr, overseer, 30 days at 2.50.....	75 00	
do	Pay lists, wages of men employed	468 31	
do	Alonzo Spencer, groceries, etc	155 52	
do	Holmes Bros., provisions, tools, etc.....	16 50	
do	Ed. Tompkins, tools	27 95	
do	P. O'Connell, cookstove.....	20 00	
do	Sundry persons, beef, freight, postage, etc.....	11 35	
			774 63

COLONIZATION ROADS.—*Continued.*

Cardwell, 4th Con. Road.	Gustave Grenke, overseer, 20 days at 2.25		45 00	
do	do do 5 days at 1.55		7 75	
do	Pay lists, wages of men employed		241 67	
do	D .W. Little, tools		17 10	
			311 52	
	Less sale of tools		10 80	
				300 72
Combermere & Maynooth Bridge	W. J. Fitzgerald, overseer, 9 days at 2.25		20 25	
do	Pay lists, wages of men employed		152 37	
do	Jno. Kruger, cedar		22 75	
do	Flynn & Nettarville, tools		5 57	
			200 94	
	Less sale of tools	5 25		
	Less amount of account unpaid	15 69		
			20 94	
				180 00
Carling 4th Con. Road	Jno. Alves, overseer, 17 days at 2.25		38 25	
do	Pay lists, wages of men employed		204 00	
do	Wm. Beatty, tools, etc		7 00	
do	Andrew Thompson, right of way		1 00	
				250 25
Christie Twp. 5 S. L.	Rob't Morrison, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		161 75	
do	W. Morrison, tools, etc		8 30	
				201 55
Christie 15 Side L. Road	Rob't Morrison, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		173 00	
			204 50	
	Less sale of tools		4 50	
				200 00
Carpenter Twp. Roads	A. Luttrell, overseer, 12 days at 2.50		30 00	
do	Pay lists, wages of men employed		279 75	
do	Jacob Schamerhorn, 250 rods x-way timber		287 50	
do	C. R. Langstaff, groceries and provisions		40 15	
do	R. B. Langstaff, provisions		38 55	
do	Sundry persons, provisions, board, etc		18 27	
			694 22	
	Less amount of account unpaid		206 72	
				487 50
Central Road Loborough.	E. G. Ruttan, overseer, 18 days at 2.25		40 50	
do	Pay lists, wages of men employed		209 70	
			250 20	
	Less amount of account unpaid		30 20	
				220 00
Christian Valley Road	Robert Simpson, overseer, 12 days at 2.25		27 00	
do	Pay lists, wages of men employed		159 00	
do	H. T Burton, scraper		8 00	
do	Sundry persons, tools, timber, repairs, etc		5 90	
				199 90
Caven Road	Pay lists, wages of men employed		92 25	
do	Jos. Madill, paymaster:—			
do	D. Dunlop, lumber, timber, etc		122 96	
			215 21	
	Less paid by municipality		15 21	
				200 00

COLONIZATION ROADS.—*Continued.*

Cardwell Twp. Roads		Jos Coté, overseer, 19½ days at 2.25	43 88	
	do	Pay lists, wages of men employed	228 75	
	do	J. Guenette, plow, blacksmithing, etc	17 90	
	do	Sundry persons, tools, lumber, etc	9 47	
				300 00
Capreol & Hanmer Road		N. Labelle, overseer, 16 days at 2.25	36 00	
	do	Pay lists, wages of men employed	245 75	
	do	Purvis Bros., scraper	8 50	
	do	Postage, etc	50	
				290 75
Chemong Lake Bridge Road		E. Corkery, overseer, 8 days at 2.25	18 00	
	do	Pay lists, wages of men employed	143 00	
	do	Postage	05	
				161 05
Caldwell 3 Con. Road		Jos. Champagne, overseer, 7½ days at 2.25	16 87	
	do	Pay lists, wages of men employed	84 75	
	do	Postage	10	
				101 72
Caldwell and Badgerow Road		Nap. Labrosse, paymaster:—		
	do	Pay lists, wages of men employed	147 00	
	do	R. Labrosse, tools	1 25	
				148 25
Corbeilles Road		Baptiste-Corbeilles, overseer, 8 days at 2.25	18 00	
	do	Pay lists, wages of men employed	81 75	
	do	B. Corbeilles, plow repairs	25	
				100 00
Dalhousie Bridge		Wm. Dunlop, overseer, 8 days at 2.25	18 00	
	do	Pay lists, wages of men employed	127 50	
	do	Sundry persons, lumber, powder, postage, etc	5 66	
				151 16
Dalton & Carden Roads		David Nicholson, overseer, 8½ days at 2.25	19 13	
	do	Pay lists, wages of men employed	128 12	
	do	Sundry persons, tools, blacksmithing, etc	4 75	
	do	Geo. Jarrett, overseer, 9 4-5 days at 2.25	22 05	
	do	Pay lists, wages of men employed	125 70	
	do	Wm. Jarret, blacksmithing	3 00	
	do	John. Chrysler, overseer, 10 days at 2.25	22 50	
	do	Pay lists, wages of men employed	178 75	
			504 00	
		Less tools sold by D. Nicholson	2 00	
				502 00
Desert Road		Ed. Snook, overseer, 9 days at 2.25	20 25	
	do	Pay lists, wages of men employed	117 50	
	do	E. H. Snook, cedar	6 00	
	do	Sundry persons, cedar and tools	7 50	
	do	Albert Amey, overseer, 9 days at 2.25	20 25	
	do	Pay lists, wages of men employed	125 88	
	do	L. Barder, scraper, etc	12 10	
	do	W. H. Reynolds, tools	13 30	
			322 78	
		Less sale of tools by Amey	11 20	
				311 58
Dunnett, Con. 3 Road		Jos. Lamarche, overseer, 13 days, 3 hours at 2.25	29 93	
	do	Pay lists, wages of men employed	169 79	
	do	Postage, etc	36	
				200 08
Devlin & Burris Road		C. W. Hughes, overseer, 27 days at 2.50	67 50	
	do	Pay lists, wages of men employed	670 87	
	do	Holmes Bros., provisions, tools, etc	215 10	
	do	P. F. Beninger, meat	23 10	
	do	Sundry persons, provisions, lumber, freight, etc	25 65	
				1,002 22

COLONIZATION ROADS.—*Continued.*

Dorion Twp. Road.	Neil McDougall, paymaster		
do	Pay lists, wages of men employed	486 10	
do	S. A. Arthur, provisions and groceries	134 17	
do	M. C. Campbell, meat	8 60	
do	Sundry persons, tools and freight	10 43	
		639 30	
	Less amount of account unpaid	159 30	
			480 00
Dilke and Nelles, sec. 32-33 Road	R. Tillson, overseer, 36 days at 2.50	90 00	
do	Pay lists, wages of men employed	630 48	
do	H. Proctor & Co., groceries, provisions, etc.	193 80	
do	Gordon, Ironsides, Fares & Co.: Provisions, etc.	56 89	
do	Sundry persons, stove, lumber, provisions, etc.	39 53	
			1,010 70
Dalton & Washago Road.	J. C. Marshall, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	162 75	
			201 00
Deer Lake and Baysville Road	Philip Leeder, Sr., overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	166 96	
do	Geo. Tennant, lumber	9 45	
do	Sundry persons, tools, cartage, etc.	5 72	
			215 88
Dobie Twp. Road Con. 4 and 5	W. H. Smith, overseer, 19 days at 2.50	47 50	
do	Pay lists, wages of men employed	293 75	
do	M. C. Drew, groceries, etc.	75 70	
do	Weston & Son, camp outfit	36 20	
do	Sundry persons, beef, groceries, etc.	45 00	
			498 15
Douro Road	Jno. Allen, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	213 62	
do	D. Garvey, use of tools	26 50	
do	J. Allen, timber	12 00	
do	Sundry persons, tools and repairs	10 25	
			302 87
Dummer Twp. Con. 9 Road	Wm Miles, overseer, 7 days at 2.25	15 75	
op	Pay lists, wages of men employed	180 75	
do	J. R. Miles, powder and fuse	3 50	
			200 00
Deer River Bridge	Jno. Baskin, repairs to bridge		28 00
Dunnett Con. 3 Road	E. X. Gervais, overseer, 11 days at 2.25	24 75	
do	Pay lists, wages of men employed	75 21	
do	Postage	04	
			100 00
Desormeau Road	Geo. Simpson, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	169 86	
			201 36
Desert Lake Road	Jos. Boissinault, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	237 74	
do	A. J. Boissinault, chain, tools, etc.	14 74	
do	Sundry persons, tools, repairs and postage	2 17	
			299 65
Dryden Dam Bridge	Neil McDougall, paymaster:—		
do	Paylists, wages of men employed	20 00	
do	G. Sharpe, lumber	32 57	
do	W. McMillan, lumber	10 50	
do	J. G. Hayes, spikes, etc	2 80	
			65 87

COLONIZATION ROADS.—*Continued.*

Eagle River Bridge	Neil McDougall, paymaster:—			
do	Pay ists, wages of men employed....	843 75		
do	W. E. Beddone, board of men	204 75		
do	Woodside Bros., iron rods, labor, etc.	76 65		
do	C. P. Ry., fares of men, freight, etc	93 35		
do	J. Rhodes, blacksmithing, etc.....	26 05		
do	Sundry persons, blacks'g, dynamite, stab'g, etc.	40 87		
		1,285 42		
	Less amount of account unpaid	585 42		
				700 00
Eton Twp. Road	Neil McDougall, paymaster:—			
do	Pay lists, wages of men employed	524 05		
do	J. Latimer, spikes, etc..	7 15		
do	J. G. Hayes, powder	2 05		
				533 25
Eagle Lake Road.....	Neil McDougall, paymaster:—			
do	Pay lists, wages of men employed			303 50
Eldon 3rd Quarter Line Con. 4 & 6.	L. McQuarrie, overseer, 40 days at 2.25	90 00		
do	Paylists, wages of men employed	234 00		
				324 00
East River Bridge	B. Wickett, overseer, 3 days at 3.00	9 00		
do	Paylists, wages of men employed	19 05		
do	E. H. Taplin, lumber	48 44		
do	Sundry persons, freight, board, spikes, etc.....	13 22		
				89 71
Eighth Line Road, Smith	Arch. Young, paymaster:—			
do	Paylists, wages of men employed	200 00		
do	Less advanced, 1903.....	170 00		
				30 00
Ferris Twp. Roads	W. Satchell, overseer, 19 days at 2.25.....	42 75		
do	Paylists, wages of men employed.....	249 37		
do	Sundry persons, tools and postage....	5 11		
do	Jacob Gilmette, overseer, 14 days at 2.25	31 50		
do	Pay lists, wages of men employed	158 50		
do	Geo. Morrison, tools	9 95		
do	P. Gagnon & Sons, tools	2 20		
do	E. Dupresne, overseer, 22 days at 2.25	49 50		
do	Pay lists, wages of men employed	160 50		
do	W. Dupresne, team hire	84 00		
do	Geo. Morrison, tools, etc.	11 90		
do	Sundry persons, blacksmithing and postage	4 10		
				809 33
Field Road	L. G. Parent, overseer, 12 days at 2.25	27 00		
do	Pay lists, wages of men employed	174 05		
do	Postage.....	05		
do	Max Larogue, overseer, 14½ days at 2.25	32 63		
do	Pay lists, wages of men employed	159 12		
do	Robt. Lillie, scraper...	8 25		
		401 10		
	Less amount of account unpaid	20 00		
				381 10
French & Gully Line Rd.	M. Mansfield, overseer, 18 days at 2.25	40 50		
do	Pay lists, wages of men employed	293 12		
				333 62
Ft. Francis & Rainy Lake Road	Chas. Kerr, overseer, 19 days at 2.50	47 50		
do	Pay lists, wages of men employed	249 64		
do	Jno. Reid, lumber	72 36		
do	O. Jalbert, provisions	45 06		
do	L. Christie, beef	20 33		
do	Sundry persons, lumber, provisions, b'd of men, etc.	69 08		
				503 97

COLONIZATION ROADS.—*Continued.*

Farley Road Bridge in Pringle Tp	B. Wickett, overseer, 15 days at 3.00	45 00	
do	Pay lists, wages of men employed	331 51	
do	Mowry & Son, bridge irons	5 52	
do	J. Arthurs, nails, etc.	4 40	
do	Sundry persons, tools, lumber, board of men, etc.	28 31	
			414 74
Fifth S. L. Rd. Machar & Gurd 30 S. L. Rd.	Alex. Munro, overseer, 12¼ days at 2.25	27 56	
do	Pay lists, wages of men employed	170 19	
do	Postage	25	
			198 00
Ferris & Widdifield	H. Marleau, overseer, 6 days at 2.25	13 50	
do	Pay lists, wages of men employed	89 50	
		103 00	
	Less amount of account unpaid	13 00	
			90 00
Ferris Tp. Drain	B. Decaire, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	239 75	
do	G. Morrison, tools, etc.	14 93	
do	Stationery, postage, etc.	32	
			300 00
French River Val. Trail	J. L. McMurray, paymaster:—		
do	Pay lists, wages of men employed	55 00	
	Less amount of account unpaid	5 00	
			50 00
Fourth Con. Hagarty Rd.	F. Valdack, overseer, balance 1903		55 30
Freeman's Mill Pond	J. M. Stoniss, overseer, balance 1902		40 60
Garson & Neelon Rds.	S. Fortin, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	165 50	
do	Sundry persons, tools, blacksmithing & postage	4 20	
do	E. Lauzon, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	169 00	
do	R. Horne, tools	2 25	
			403 95
Gibbons Tp. Roads	M. Cousineau, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	152 60	
do	R. Lillie, dynamite, etc.	21 00	
do	M. Cousineau, cartage	3 00	
do	D. J. Lynn, overseer, 8 days at 2.25	18 00	
do	Pay lists, wages of men employed	180 75	
do	Sundry persons, powder, postage, etc.	1 25	
			399 10
Green Bay Road	Thos. Murphy, overseer, 16 days at 2.00	32 00	
do	Pay lists, wages of men employed	173 14	
do	Hugh Reilly, timber	4 00	
			209 14
Griffith Road	Chas. Gervais overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	240 00	
do	B. Hartney, tools, etc.	11 00	
do	Sundry persons, tools and postage	4 65	
		300 65	
	Less amount of account unpaid	25 65	
			275 00
Galbraith Tp. Road	Jas. Dixon, overseer, 24 days at 2.25	54 00	
do	Pay lists, wages of men employed	244 99	
do	Jas. S. Dobie, survey, plan and expenses	17 00	
do	Postage	11	
			316 10
Galbraith Tp., Lot 2, Con. 1	Mrs. McKenzie, right of way		87 50
Gillies & Scoble Road	Neil McDougall, paymaster:—		
do	Pay lists, wages of men employed	391 11	
do	Mrs. A. Brown, groceries, etc.	77 49	
do	Marks & Co., provisions	22 73	
do	Woodside Bros., scraper	20 00	
do	Wells & Emmerson, tools	8 45	
			519 78

COLONIZATION ROADS.—*Continued.*

Gladstone 2 Con. Rd	Benj. Beemer, overseer, 13½ days at 2.25	30 38	
do	Pay lists, wages of men employed	81 37	
do	M. Beemer, timber	67 66	
do	Sundry persons, board, teaming, blacksmith'g, etc.	23 90	
			203 31
Goldenburg & Day Mills	Robert McDougall, overseer, 31 days at 2.25	69 75	
do	Pay lists, wages of men employed	318 73	
do	Dobie & Co., provisions	38 18	
do	R. E. McDougall, provisions	22 32	
do	Bridge Bros., camp outfit	19 55	
do	Sundry persons, provisions, hay, oats, etc.	33 31	
			501 84
Gessler Rd. in Ryerson	W. G. Ashdown, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	161 08	
do	Sundry persons, tools, postage, etc.	10 50	
		203 08	
	Less sale of tools	4 50	
			198 58
Golden Val. & North Rd.	Geo. Dobbs, overseer, 22 days at 2.25	49 50	
do	Pay lists, wages of men employed	341 24	
do	N. Armstrong, plank	5 45	
do	Sundry persons, plank, blacksmithing, etc.	3 81	
			400 00
Gordon Bay Rd	Arthur Dixon, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	175 52	
do	W. Hanna & Co., tools	10 90	
do	Jas. M. Hatherly, right of way	1 00	
			232 42
Grimsthorp Riv. Bridge	Geo. Brooks, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	191 50	
do	T. H. Hewitt, lumber	53 35	
do	D. Belton, lumber	26 40	
do	Sundry persons, blacksmithing, spikes, etc.	7 63	
			308 13
Galway Roads	M. Mansfield, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	290 00	
			330 50
Grading Rds. E. Algoma	D. Campbell, paymaster:—		
do	Pay lists, wages of men employed	45 00	
do	Northern Hardware Co., oil, etc.	1 20	
do	A. Findlay, repairs	50	
			46 70
Guerin Road	M. Guerin, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	181 79	
			208 79
Gauthier Road	A. Gauthier, overseer, 6 days at 2.25	13 50	
do	Pay lists, wages of men employed	36 75	
			50 25
Grading Roads, Algoma	Jno. F. Boyd, paymaster:—		
do	Pay lists, wages of men employed	195 75	
do	Sundry persons, sharpening grader	9 00	
do	D. Campbell, grading road	54 00	
do	Sawyer Massey, repairs	8 50	
do	Express, telegrams, postage, etc.	1 90	
			269 15
Grattan & D'Acre Rd	Wm. McDonough, overseer, balance 1903		57 05
Grattan Mining Road	D. J. McCuan, balance grant 1902		50 00
Garson Road	S. Fortin, overseer, balance 1903		50 10

COLONIZATION ROADS.—*Continued.*

Hagarty Tp. Roads	Jas. Macdonald, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	165 00	
do	Sundry persons, tools, and use of scraper	5 00	
do	Wm. Costello, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	147 00	
do	W. Costello, rent of wagons, etc.	21 00	
do	Sundry persons, tools	7 00	
		408 00	
	Less sale of tools by W. Costello	3 00	
			405 00
Hanmer Tp. Roads	O. Dubois, overseer, 11½ days at 2.25	25 31	
do	Pay lists, wages of men employed	176 47	
do	J. B. Fex, overseer, 14½ days at 2.25	32 06	
do	Pay lists, wages of men employed	167 98	
		401 82	
	Less amount of account unpaid	20 04	
			381 78
Hastings Rd. near Maynooth	Andrew Barr, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	239 60	
do	Geo. Weaver, tools	13 16	
do	Flynn & Netterville, scraper	7 75	
			305 51
Hugel & Badgerow Rd	Rev. C. A. M. Paradis, overseer, 40 days at 1.50	60 00	
do	Pay lists, wages of men employed	198 50	
do	W. Charlton, tools, etc.	19 46	
do	H. Walters & Son, tools, etc.	14 60	
do	Sundry persons, dynamite, tools, etc.	14 00	
		306 56	
	Less amount of account unpaid	56 56	
			250 00
Hugel Con. 3 Road	J. T. Whalen, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	169 00	
do	Postage	10	
do	Olaf England, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	167 62	
do	Sundry persons, pails and postage	95	
			400 67
Hurtubise Road	Nap. Begin, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	163 04	
do	E. Maurice, tools	3 00	
			202 04
Honora Bay Road	Jas. Stringer, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	318 51	
do	T. C. Sims & Co., tools	12 30	
do	Sundry persons, tools, transportation, postage, etc.	5 60	
			381 41
Hymers Road	Neil McDougall, paymaster:—		
do	Pay lists, wages of men employed	683 53	
do	Mrs. A. Brown, groceries, tools, etc.	87 66	
do	Wells & Emmerson, tent, tools, etc.	47 25	
do	G. E. Hymers, timber	22 30	
do	Sundry persons, scraper, blacksmithing, etc.	22 37	
		863 11	
	Less amount of account unpaid	313 11	
			550 00
Hagarty 12 Con. Road	Jno. Paplinskiê, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	231 60	
do	McCann Bros., plow and scraper	20 00	
do	Sundry persons, tools and postage	8 90	
			305 50

COLONIZATION ROADS.—*Continued.*

Himsworth Tp. Roads	Frank Hunt, overseer, 14½ days at 2.25		32 63	
do	Pay lists, wages of men employed		155 62	
do	H. T. Burton, tools		12 80	
do	Jno. Wiggins, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		156 75	
do	H. T. Burton, tools		12 18	
do	Postage		25	
do	Wm. Bray, Sr., overseer, 15 days at 2.25		33 75	
do	Pay lists, wages of men employed		170 63	
do	Sundry perons, right of way, postage, etc.		1 50	
do	T. F. Carr, overseer, 15 days at 2.25		33 75	
do	Pay lists, wages of men employed		161 25	
do	Sundry persons, tools, reprs., postage, etc.		7 38	
			£09 99	
	Less tools sold by Wm. Bray, Sr	6 00		
	do amt. of T. F. Carr's acct. unpaid	22 38	28 38	
				781 61
Hinchesbrook Road	Jas. N. Smith, overseer, 14½ days at 2.25		32 62	
do	Pay lists, wages of men employed		160 46	
do	Sundry persons, dynamite, tools, & blacksmith'g		8 98	
			202 06	
	Less sale of tools		1 50	
				200 56
Hagarty Tp. Road	P. Recowskie, overseer, balance 1903			26 25
Harvey Lots 28 & 29 Rd	R. Shaw, overseer, 7 days at 2.50		17 50	
do	Pay lists, wages of men employed		177 50	
do	Postage		20	
do				195 20
Hymers Bridge Repairs	N. McDougall, paymaster:—			
do	Pay lists, wages of men employed		48 00	
do	J. Sterrett, timber		3 58	
do	J. J. Welsh, bolts		2 60	
do	Can. Northern Ry., fares of men		4 50	
				58 68
Inspection	J. F. Boyd, balance 1903			34 60
	do Postage, telegrams, etc.		17 03	
	do Inspector, 216 days at 7.00		1,512 00	
	do Railway fares, etc.		172 95	
			1,701 98	
	Less amount of account unpaid		7 65	
				1,694 33
do	J. A. Tierney, balance 1903			172 25
	do Inspector, 18 days at 5.00		90 00	
	do Travelling expenses		90 00	
	do Postage, stationery, etc.		10 00	
				190 00
do	W. J. Anderson, Inspector, 131 days at 5.00		655 00	
	do Travelling expenses		64 15	
			719 15	
	Less amount of account unpaid		219 15	
				500 00
do	Neil McDougall, Inspector, 179 days at 7.00		1,253 00	
	do Rent of office 1903-04		120 00	
	do Insurance on store house		5 63	
	do Travelling expenses		61 00	
	do Postage, stationery, etc.		12 91	
			1,452 54	
	Less amount of account unpaid		139 61	
				1,312.93

COLONIZATION ROADS.—*Continued.*

Inspection	A. Morrison, inspector, 147 days at 5.00		735 00	
do	Travelling expenses and disbursements		225 30	
do	Postage and stationery, etc.		5 00	
				965 30
do	John McCracken, Inspector, 1903, 59 days at 5.00		295 00	
do	Travelling expenses and disbursements		83 30	
				378 30
do	John McCracken, inspector, 268 days at 5.00		1,340 00	
do	Travelling expenses, livery, postage, etc.		179 32	
			1,519 32	
do	Less amount of account unpaid		390 70	
				1,128 62
do	F. Dupuis, inspector 1903, 149 days at 5.00		745 00	
do	Travelling expenses, horse hire, etc		299 80	
			1,044 80	
do	Less advanced 1903		775 00	
				269 80
do	F. Dupuis, inspector, 112 days at 5.00		560 00	
do	Travelling expenses, horse hire, etc		196 40	
do	Postage, etc		1 35	
	Less amount of account unpaid		757 75	
do			138 90	
				618 85
do	B. Wickett, inspector, 6 days at 3.00		18 00	
do	do 134 days at 4.00		536 00	
do	Travelling expenses, board, etc.		316 10	
do	Postage		2 50	
			872 60	
do	Less amount of account unpaid		270 50	
				602 10
do	M. Lounsbury, inspector, 174 days at 7.00		1,218 00	
do	Postage, stationery, etc.		9 63	
				1,227 63
do	M. J. McCann, inspector, 1903, 142 days at 7.00		994 00	
do	Traveling expenses		22 00	
			1,016 00	
do	Less advanced, 1903		900 00	
				116 00
do	M. J. McCann, inspector, 188 days at 7.00		1,316 00	
do	Travelling expenses		27 80	
do	Postage, stationery, etc		8 35	
			1,352 15	
do	Less amount of account unpaid		502 15	
				850 00
Iron Bridge, Deer Lake	Wm. Rowan, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		92 75	
do	M. Hermiston, plank		42 75	
do	R. Arnill, timber		24 50	
do	Sundry persons, timber, blacksmithing, etc		23 65	
				215 15
Iron Mine Road	Wm. Hartle, overseer, 13 days at 2.25		29 25	
do	Pay lists, wages of men employed		152 62	
do	D. Gillespie, cedar		18 16	
				200 03
Island Rd. (Standhope)	James Welch, overseer, 16 days at 2.00		32 00	
do	Pay lists, wages of men employed		166 20	
do	Sundry persons, repairs, powder, etc.		1 30	
				199 50

COLONIZATION ROADS.—*Continued.*

Jaffray Tp. Road	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	1,402 82	
do	F. J. Barber, timber	100 00	
do	Ontario Powder Co., dyanmite, etc	25 50	
do	Rat Portage Hardware Co., tools	25 00	
do	Sundry persons, timber, repairs, etc	19 96	
			1,573 23
Jaffray Bridge	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	189 50	
do	Jas. McLaughlin, timber	30 80	
			220 30
Jones Falls & Morton Road	Thos. Kenney, overseer, 18½ days at 2.25	41 62	
do	Pay lists, wages of men employed	251 62	
do	Sundry persons, blacksmithing, dynamite, etc	6 05	
		299 29	
do	Less amount of account unpaid	49 29	
			250 00
Jervais Road	Hugh McHugh, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	163 50	
do	B. Hartney, tools	7 39	
do	Postage	35	
			207 24
Jones Falls & Battersea Road	S. Jamieson, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	77 50	
		100 00	
do	Less amount advanced in 1902	95 00	
			5 00
Keevenville Road	Wm. Sutherland, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	162 55	
do	N. H. Williams, blacksmithing	6 15	
		200 20	
do	Less amount of account unpaid	20 20	
			180 00
Kirkpatrick Roads	Joseph Benoit, overseer, 13½ days at 2.25	30 38	
	Pay lists, wages of men employed	164 99	
	Sundry persons, tools, blacksmithing, postage, etc	5 03	
do	A. Legendre, overseer, 10 days at 2.25	22.50	
do	Pay lists, wages of men employed	162 75	
do	F. Pilon, lumber	9 00	
	Sundry persons, tools, postage, etc	5 91	
			400 56
Kagawan Lake Road	Thos. Bowser, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	257 17	
do	Sundry persons, tools and postage, etc	4 13	
			301 80
Korah Tp. Roads	Geo. Farmer, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	223 25	
do	P. S. Elliot, tile	11 55	
do	Hamilton Powder Co., dynamite, etc	9 25	
do	Sundry persons, tools, dynamite, etc	11 05	
do	Wm. Stewart, overseer, 19½ days at 2.25	43 87	
do	Pay lists, wages of men employed	161 00	
do	J. T. Quinn, ditching	81 10	
do	Moore & Brown, tile	90 30	
do	J. A. Wilde, surveying	10 00	
do	Sundry persons, tile, cedar, bolts, etc	22 70	
			709 07
Kirkpatrick Con. 3 Road	J. B. Costonguay, overseer, 5 days at 2.25	11 25	
do	Pay lists, wages of men employed	88 44	
do	Postage	06	
			99 75

COLONIZATION ROADS.—*Continued.*

Lanark & Darling Rd	T. D. King, overseer, 27 days at 2.25	60 75	
do	Pay lists, wages of men employed	286 55	
do	D. Barr, tools	3 00	
			350 30
Lutterworth Roads	Wm. Hartle, overseer, 20 days at 2.00	40 00	
do	Pay lists, wages of men employed	229 94	
do	T. Stinson & Sons, plank	22 07	
do	J. Trotter, cedar	5 00	
do	Sundry persons, blacksmithing, nails & postage	2 99	
			300 00
Loboro Road, 3rd Con.	Thos. O'Connor, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	157 00	
do	F. D. McAuley, lumber	5 16	
			200 41
Lybster Road	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	495 06	
do	Wells & Emmerson, scraper	12 35	
do	Marks, Dobie & Co., tools	5 75	
			513 16
Lorimer Lake Road	Wm. C. Ferris, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	255 90	
do	W. Robertson, tools, etc.	5 80	
do	Postage, stationery, etc.	1 00	
			294 20
Lavant & Playfair Rd.	Jas. Moore, overseer, 30 days at 2.25	67 50	
do	Pay lists, wages of men employed	432 82	
do	Thos. Lee, tools	8 65	
do	Sundry persons, blacksmithing and postage	2 25	
			511 22
Lavant & Darling Rd.	J. D. King, overseer, balance 1903		19 38
Laclosche Bridge	Alex. McEachren, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men,	75 00	
do	Postage	50	
			98 00
Laxton, 4 Con. Rd.	Hy. Davey, overseer, 12½ days at 2.00	25 00	
do	Pay lists, wages of men employed	175 00	
			200 00
Lonsdale & Bridgewater Road	D. J. Larkin, overseer, 10½ days at 2.25	23 62	
do	Pay lists, wages of men employed	126 25	
			149 87
Locating Rds., Tps. Delemere, Cosby & Martland	A. E. Cross, services, 22 days at 3.50	77 00	
do	Joseph Racicot, 13½ days as guide	33 75	
do	Sundry persons, provisions, board, etc.	33 59	
do	Travelling expenses	22 30	
		166 64	
do	Less amount of account unpaid	42 36	
			124 28
Loudon & Caldwell Rd.	Julius Schnobb, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	165 75	
do	F. A. Richard, saw	4 80	
do	Postage	10	
			202 15
Leeds & Pittsburg Rd.	W. J. Franklin, overseer, 8 days at 2.25	18 00	
do	Pay lists, wages of men employed	88 22	
do	Sdry. persons, lumber, blacksmith'g, & postage	3 89	
			110 11
Lefleur Bridge	E. Lefleur, overseer, 8 days at 2.25	18 00	
do	Pay lists, wages of men employed	82 00	
			100 07
Larochelle Road	A. Larochelle, overseer, 5 days at 2.25	11 25	
do	Pay lists, wages of men employed	43 00	
do	Sundry persons, tools, postage, etc.	1 60	
			55 85

COLONIZATION ROADS.—*Continued.*

Magpie Bridge Repairs	J. F. Boyd, paymaster:—		
do	J. J. Dion, overseer and builder, 8½ days at 3.00	25 50	
do	Pay lists, wages of men employed	74 75	
			100 25
Mattawa & Calvin Rd.	C. Bertrand, overseer, 14 1-5 days at 2.25	31 95	
do	Pay lists, wages of men employed	147 00	
do	Sundry persons, scraper repairs, etc.	2 65	
do	L. Morin, overseer, 5 days at 1.50	7 50	
do	Pay lists, wages of men employed	16 50	
do	S. J. McMeekin, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	136 50	
			364 60
Mattawa & Pembroke Rd.	N. P. Harvey, overseer, 23½ days at 2.25	52 87	
do	Pay lists, wages of men employed	226 97	
do	A. Dusand, lumber and use of tools	18 60	
do	J. Loughrin, spikes	1 65	
do	D. Donnelly, overseer, 11 days at 2.25	24 75	
do	Pay lists, wages of men employed	159 75	
do	M. J. Donnelly, cedar	14 28	
do	Sundry persons, tools, affidavit	1 25	
			500 12
Mattawa & Temiskaming Road	L. Montriel, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	164 50	
do	J Loughrin, dynamite, etc	4 95	
		196 45	
do	Less amount of account unpaid	16 45	
			180 00
Mattawan Tp. Roads	B. Belanger, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	122 63	
do	Jos. Loughrin, tools, etc.	17 75	
			167 38
Matawatchan Road	A. McLennan, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	148 50	
do	Jno. G. Ihan, cedar	20 00	
do	Sundry persons, cedar, tools, postage, etc	6 25	
			204 00
Monck Road	D. Youmans, overseers, 25 days at 2.25	56 25	
do	Pay lists, wages of men employed	210 47	
do	Travelling expenses and disbursements	10 30	
			277 02
Monette Road	C. Monette, overseer 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	266 73	
			304 98
Mountain Grove Swamp Road	W. E. Barr, overseer, 17 days at 2.00	34 00	
do	Pay lists, wages of men employed	217 38	
			251 38
Mud Lake Narrows Bridge in Carden	J. Graham, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	72 40	
do	J. Givens, timber	100 00	
do	Gilpin Bros., spikes	5 10	
			200 00
Mud Lake Bridge Rd.	Michael Perdue, overseer, 8½ days at 2.25	19 13	
do	Pay lists, wages of men employed	76 87	
do	W. Perdue, timber	6 50	
			102 50
Marks Road	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	249 26	
do	Mrs. A. Brown, groceries	71 40	
do	Can. Northern Ry., freight	92	
			321 58
May Tp. Roads	Geo. Buell, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	253 75	
do	S. G. Chant, use of grader	7 00	
do	R. J. Byrns, repairs to plow	1 00	
			300 00

COLONIZATION ROADS.—*Continued.*

Mather and Tait Town Line	W. H. Smith, overseer, 40 days at 2.50		100 00	
do	Pay lists, wages of men employed		558 35	
do	M. C. Drew, groceries and provisions		110 95	
do	Weston & Sons, tools and camp outfit		72 40	
do	D. K. Campbell, provisions, crossway timber, etc.		60 06	
do	Sundry persons, provisions, tools, timber, etc.		115 82	
			1,023 59	
do	Less supplies sold	23 90		
do	do amount of account unpaid	19 69	43 59	
				980 00
Mattachawan Road	W. Belanger, overseer, 10 days at 2.00		20 00	
do	Pay lists, wages of men employed		76 50	
do	Devine & McGarrie, wire rope, etc.		63 70	
do	Wm McVeigh, blacksmithing		14 00	
do	Sundry persons, lumber, scraper, etc.		17 40	
			191 60	
	Less amount of account unpaid		11 60	
				180 00
Mather and Dobie Town Line Road	W. J. Anderson, paymaster:—			
do	A McKenzie, overseer, 28 days at 2.50		70 00	
do	Pay lists, wages of men employed		681 01	
do	M. C. Drew, groceries, etc.		133 29	
do	G. Kernahan, meat		25 00	
do	F. J Watts, tools		27 25	
do	Weston & Sons, camp outfit		19 65	
do	Sundry persons, provisions, lumber, teaming, etc.		97 85	
			1,054 55	
	Less amount of account unpaid		104 50	
				950 00
Mattawan 6th Con. Road and Bridge	Jas Keenan, overseer, 14½ days at 2.25		32 24	
do	Pay lists, wages of men employed		174 00	
do	B. J. Gilligan, lumber		30 41	
do	Sundry persons, dynamite, nails, repairs, etc.		13 35	
				250 00
Morley and Shenstone Road	W. J. Anderson, paymaster:—			
do	A. McKenzie, overseer, 12 days at 2.50		30 00	
do	Pay lists, wages of men employed		323 47	
do	Oster Bros., groceries and provisions		48 52	
do	J. McTague, groceries, etc		51 15	
do	Sundry persons, tools, groceries, etc		47 42	
			500 56	
	Less amount of account unpaid		15 56	
				485 00
Machar 10 S. Line Road	Geo. Rolston, overseer, 12 days at 2.25		27 00	
do	Pay lists, wages of men employed		166 83	
do	Sundry persons, wagon hire, repairs, etc.		6 17	
				200 00
Matchedash Road and Bridge	David Hall, overseer, 15 days at 2.25		33 75	
do	Pay lists, wages of men employed		159 37	
do	W. H. Manning, tools, etc		7 10	
do	Sundry persons, blacksmithing and postage		6 17	
do	E. W. Kitchen, overseer, 15½ days at 2.25		34 87	
do	Pay lists, wages of men employed		250 24	
do	R. McFarland, cedar		29 88	
do	Sundry persons, timber, bolts, etc		13 15	
				531 53

COLONIZATION ROADS.—*Continued.*

Monk Road, west of Atherly	Hy. Lybster, overseer, 12 days at 2.50	30 00	
do	Pay lists, wages of men employed	436 62	
do	Tait Cross Lumber Co., coal and lumber	23 47	
do	Sundry persons, tools, blacksmithing, etc	9 96	
			500 05
Morrison Twp. Roads	Wm. Semple, overseer, 25 days at 2.25	56 25	
do	Pay lists, wages of men employed	327 95	
do	Albert Boyd, lumber	7 00	
do	Sundry persons, lumber, tools, etc	9 62	
		400 82	
	Less sale of tools	1 40	
			399 42
Montieth & Perry Road in Perry & McMurrich	Walter Thompson, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	162 00	
do	Sundry persons, plank, wagon hire, etc	6 50	
			200 00
Mills & Wilson Tp. Road E.	Jno. Paul, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	170 40	
do	Sundry persons, plow point, postage, etc	85	
			198 25
Muskoka Road, Con. 6 Muskoka Twp.	W. J Taylor, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	245 62	
do	J. F. Young, tools	10 10	
do	Sundry persons, tools, postage and rent of camp	3 78	
			300 00
Mather 8 & 9 Road	W. J. Anderson, paymaster:—		
do	A. McKenzie, overseer, 10 days at 2.50	25 00	
do	Pay lists, wages of men employed	169 44	
do	Lewis Irvine, 195 rods crossway timber	214 25	
do	M. C. Drew, provisions, etc	22 75	
do	R. Leech, meat	16 40	
do	Sundry persons, provisions, etc	37 57	
			485 41
Marlbank Road	Joseph Taylor, overseer, 19 days at 2.25	42 75	
do	Pay lists, wages of men employed	194 49	
do	J. M Carscallen, blacksmithing	5 50	
do	Sundry persons, tools, nails, postage, etc	8 26	
			251 00
Magnetewan River Rd	W. G. Ashdown, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	248 23	
do	W. E. Sieber, cedar	16 40	
do	H. J. Smith, blacksmithing	85	
			310 48
Mines Road, Gratton	Canada Iron Furnace Co., legislative grant		400 00
Menogue Road, Chandos	John Menogue, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	175 25	
			202 25
Machar, 20 Side Line	Wm McQueen, overseer, 12½ days at 2.25	24 50	
do	Pay lists, wages of men employed	136 14	
do	The Vincent Co., Limited, groceries, etc	29 06	
do	W. McQueen, vegetables, etc., 10.91, postage, .50	11 41	
			201 11
Matchdash Road	Sam'l McMahon, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	181 91	
			202 16
Monck Road, Dysert	Jno. Maxwell, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	166 14	
			199 89
Martland 2 & 3 Road	W. Doust, overseer, 7 days at 2.25	15 75	
do	Pay lists, wages of men employed	83 61	
do	C. Monette, tools	2 00	
			101 36

COLONIZATION ROADS.—*Continued.*

Michipicoten Mining Rd.	Jno F. Boyd, paymaster:—			
do	Pay lists, wages of men employed		744 75	
do	C. E. Keenan, lumber		127 59	
do	Sundry persons, tools and postage		4 60	
				876 94
Morley 9 & 16 and 8 & 17.	R. J. Hall, 245 rods crossway timber			281 75
Markstay & Warren Rd.	L. McDonald, overseer, 25 days at 2.25		56 25	
do	Pay lists, wages of men employed		156 10	
			212 35	
	Less amount advanced 1902		180 00	
				32 35
Mather & Dobie Road	W. J. Anderson, overseer, balance 1903			71 41
Martland & Cosby	J. L. A. McMurray, paymaster, balance 1903			11 81
Mississaga Scow	Wm. Rowan, overseer, balance 1903			10 35
Massanoga Lake Road	W. A. Price, paymaster, balance 1903			20 00
McPherson & Loudon Rd	F. Cornellier, overseer, 22 days at 2.25		49 50	
do	Pay lists, wages of men employed		325 50	
do	F. A. Ricard, tools		14 37	
do	Sundry persons, repairs and postage		10 54	
				399 91
McGregor Road	N. McDougall, paymaster:—			
do	Pay lists, wages of men employed		366 24	
do	S. A. Armur, provisions		119 40	
do	Wells & Emmerson, tools, etc.		10 23	
do	M. C. Campbell, beef		9 50	
			504 37	
	Less amount of account unpaid		224 37	
				280 00
McIntyre Road	N. McDougall, paymaster:—			
do	Pay lists, wages of men employed		963 07	
do	W. F. Fortune, groceries and provisions		198 36	
do	R. Heyder, groceries, etc.		55 48	
do	M. C. Campbell, meat		7 80	
do	Wells & Emmerson, tools and camp outfit		35 16	
			1,264 87	
	Less, Municipal grant	500 00		
	Amount of account unpaid	314 87		
			814 87	
				450 00
McKeown's Bridge, to rebuild	N. McDougall, paymaster			
do	Pay lists, wages of men employed		213 75	
do	H. Chausse, provisions, etc.		29 60	
do	Campbell & Co., beef		14 72	
do	Can. Northern Ry., freight		73	
				258 80
McMurrich 20 S. L.	Martin Farrell, overseer, 19¼ days at 2.25		43 30	
do	Pay lists, wages of men employed		246 55	
do	W. H. Dixon, tools		16 52	
do	Postage, blacksmithing, etc.		1 00	
			307 37	
	Less sale of tools		5 45	
				301 92
McGeary's Creek Bridge.	Isaac Grant, overseer, 9 days at 2.25		20 25	
do	Pay lists, wages of men employed		42 75	
do	M. A. Grant, board of men		15 50	
				78 50
McDougall Road	Amos Moyer, overseer, 12 days at 2.25		27 00	
do	Pay lists, wages of men employed		154 61	
do	W. J. Moyer, timber		10 80	
do	H. Phillips, timber		7 40	
do	Postage		19	
				200 00

COLONIZATION ROADS.—*Continued.*

McAmbridge Road	Louis Braconnia, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	161 50	
do	Sundry persons, tools and repairs	9 50	
			200 05
McCarthy Road	Jas McCarthy, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	54 00	
do	J. H. Bell, dynamite fuse, etc.	20 00	
			101 00
McConkey Road Bridge	Angus Morrison, paymaster.		
do	C Loring, Sr., overseer, 5 days at 2.50	12 50	
do	Pay lists, wages of men employed	37 50	
			50 00
North Shore Road	Wm. Ritchie, overseer, 14 days at 2.00	28 00	
do	Pay lists, wages of men employed	170 50	
do	Sundry persons, tools and cedar	3 05	
			201 55
North Bay & Widdifield Road	F Gratton, overseer, 26¾ days at 2.25	59 06	
do	Pay lists, wages of men employed	247 55	
do	Jos. Laroque, timber	50 00	
do	Macdonald & Hay, tools, etc.	12 10	
do	F. Gratton, repairs, etc.	1 49	
			370 30
North Harvey Roads	Robert Shaw, overseer, 10 days at 2.50	25 00	
do	Pay lists, wages of men employed	349 62	
do	Sundry persons, powder, blacksmithing, etc.	4 99	
		379 61	
	Less amount of account unpaid	79 61	
			300 00
Nosbonsing and Corbeils Road	P. Rochefort, overseer, 21 days at 2.25	47 25	
do	Pay lists, wages of men employed	243 37	
do	G. Morrison, tools	10 25	
do	V. Gauthier, blacksmithing	6 20	
			307 07
Nairn and Worthington	John Dwyer, overseer, 34 days at 2.25	76 50	
do	Pay lists, wages of men employed	411 00	
do	Purvis Bros., tools	19 75	
			507 25
Nelles and Pattullo Rd.	W J. Anderson, paymaster.		
do	A. McKenzie, overseer, 22 days at 2.50	55 00	
do	Pay lists, wages of men employed	271 77	
do	H. Proctor & Co., provisions	95 90	
do	J. Ward, provisions	16 27	
do	Sundry persons, provisions, teaming, etc.	65 78	
		504 72	
	Less amount of account unpaid	19 72	
			485 00
Neebing Oliver Road	N. McDougall, paymaster		
do	Pay lists, wages of men employed	332 15	
do	Jno. King Co., groceries and provisions	106 17	
do	Wells & Emmerson, tools	11 95	
do	Brown & Co., meat	5 03	
			455 30
Ninth Con. Rd., Croft.	David Jenkins, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	151 45	
do	G. McKnight, tools, dynamite, etc	15 35	
do	A. McLachlin, blacksmithing	1 80	
			200 10
Nipissing Tp. Roads	Jno. Gerber, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	158 75	
do	Trout Creek Lumber Co., plank	7 75	
do	Sundry persons, tools, repairs and postage	4 33	
do	Robt. Byers, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	159 87	
do	H T. Burton, scraper, etc.	9 80	
			401 25

COLONIZATION ROADS.—*Continued.*

North Himsworth Con. Road	Jos Cochrane, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	131 25	
do	Jas .Boultbee, teaming	29 75	
do	Repairs and postage	75	
			200 00
Neebing & McIntyre Rd.	N McDougall, paymaster.		
do	Pay lists, wages of men employed	402 91	
do	W. F Hogarth, meat, groceries, etc.	66 81	
do	C. I. Kenny, meat	31 29	
do	Sundry persons, provisions, tools, etc	34 55	
			535 56
North Road, Magnetewan	Walter Johnson, overseer, 9½ days at 2.25	21 38	
do	Pay lists, wages of men employed	77 30	
do	Tools and postage	1 50	
			100 18
North Shore Road	J. B. Pilon, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	96 01	
do	O. Dupuis, teaming	56 00	
do	J. Loughrin, tools	12 95	
do	Sundry persons, blacksmithing, postage, etc.	3 54	
			200 00
Nosbonsing & North Bay Road	J. Hurtibise, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	125 25	
do	A. Dore, teaming	49 00	
do	Repairs and postage	3 00	
			208 75
Naiscoodtyorg Bridge	B. Wickett, paymaster.		
do	Pay lists, wages of men employed	459 75	
do	Holland & Grenke, plank	38 83	
do	A N. Fenn, tools	12 14	
do	B. Wickett, fares of men	13 50	
do	Sundry persons, teaming, use of camp, etc.,	41 11	
			545 33
Nipissing Road	John Gerber,. Jr., overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	77 87	
do	Sundry persons, spikes, cartage, etc	1 88	
		100 00	
	Less advanced, 1903	90 00	
			10 00
Otter Lake Road	Andrew Granger, overseer, 27¾ days at 2.25	61 32	
do	Pay lists, wages of men employed	138 75	
do	W. H. Reynolds, tools	25 63	
do	Sundry persons, dynamite, wire, etc.	5 95	
		231 65	
	Less sale of tools	16 55	
			215 10
O'Connor & Conmee T. L. Road	N. McDougall, paymaster.		
do	Pay lists, wages of men employed	496 45	
do	Brown & Co., meat	34 08	
do	H. Chausse, lard, provisions, etc	24 10	
do	Sundry persons, provisions	14 00	
			568 63
Orange Valley Road	Wm. Adams, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	169 59	
do	Sundry persons, tools and postage	1 92	
		203 01	
	Less sale of tools	75	
			202 26

COLONIZATION ROADS.—*Continued.*

Orange Valley Road Bridge	B Wickett, paymaster.			
do	Pay lists, wages of men employed	144 86		
do	A. Vigras, cedar, etc.	18 70		
do	J Cooper, cedar	14 40		
do	Sundry persons, spikes, fares of men, etc.	16 14		
			194 10	
Otter Lake Narrows Bridge repairs	Wm. McKelvie, overseer, 13 days at 2.25	29 25		
do	Pay lists, wages of men employed	136 95		
do	Otter Lake Lumber Co., plank, etc	38 06		
do	Wm. McKelvie, use of cart, tools, etc	5 00		
			209 26	
Oakley Con 4 Black River	E. C. McCutcheon, overseer, 20 days at 2.25	45 00		
do	Pay lists, wages of men employed	244 12		
do	Jas. Witton, axes, etc.	6 50		
do	Right of way	4 00		
			299 62	
Opicon and Deer Lake Road	Jno. Silver, overseer, 17¾ days at 2.00	34 50		
do	Pay lists, wages of men employed	162 78		
do	Sundry persons, cedar, tools, blacksmithing, etc.	10 12		
			207 40	
Oak Lake Road	Sam'l Hubble, overseer, 11½ days at 2.00	23 00		
do	Pay lists, wages of men employed	185 85		
do	Plow point	25		
			209 10	
Opeongo Road	Thos. Balkwell, overseer, balance, 1903			50 45
Papineau Twp. Roads	Louis Morin, overseer, 14 days at 2.25	31 50		
do	Pay lists, wages of men employed	168 00		
do	Postage	15		
do	Jas. Gilligan, overseer, 9 days at 2.25	20 25		
do	Pay lists, wages of men employed	175 75		
do	J. Loughrin, tools, etc.	3 80		
do	H. Dupuis, overseer, 10½ days at 2.25	23 65		
do	Pay lists, wages of men employed	171 00		
do	J. H. Bell, dynamite	4 68		
do	Sundry persons, repairs, etc.	1 50		
do	Maxine Minor, overseer, 13 days at 2.25	29 25		
do	Pay lists, wages of men employed	150 75		
do	J. Loughrin, tools, etc.	19 85		
			800 11	
Perrault Settlement and D. Acre Rd.	C. Dellaire, overseer, 20 days at 2.25	45 00		
do	Pay lists, wages of men employed	232 50		
do	McCann Bros., scraper and plow	18 50		
do	Sundry persons, tools, repairs, etc.	4 75		
			300 75	
Petawawa Road	F. Eichstadt, overseer, 20 days at 2.25	45 00		
do	Pay lists, wages of men employed	153 00		
do	H. Eichstadt, use of tools, lumber, etc.	10 00		
do	J. Beauchamp, overseer, 10 days at 2.25	22 50		
do	Pay lists, wages of men employed	84 00		
			314 50	
Perth Road	Theo. Darling, overseer, 14 days at 2.00	28 00		
do	Pay lists, wages of men employed	161 75		
do	B Darling, cedar and rent of scraper	7 00		
do	Sundry persons, tools, blacksmithing, etc.	8 30		
			205 05	
Paipoonge and O'Connor Road	N. McDougall, paymaster.			
do	Pay lists, wages of men employed	609 94		
do	W. F. Fortune, provisions, etc.	78 09		
do	H. Chausse, provisions	57 25		
do	Brown & Co., meat	48 68		
do	Sundry persons, tools, provisions, freight, etc.	65 81		
		859 77		
	Less amount of account unpaid	409 77		
			450 00	

COLONIZATION ROADS.—*Continued.*

Pine River and Pattullo Road		H. F. Oster, overseer, 22 days at 2.25	55 00	
	do	Pay lists, wages of men employed	324 18	
	do	Oster Bros., provisions	73 45	
	do	Sundry persons, provisions, tools, etc.	43 38	
			496 01	
		Less sale of provisions	7 65	
				488 36
Prince Twp. Road		Ira Hill, overseer, 46 days at 2.50	115 00	
	do	Pay lists, wages of men employed	715 03	
	do	Ontario Powder Co., dynamite, etc	25 50	
	do	Jas. S. Dobie, surveying road, and expenses	44 00	
	do	Sundry persons, tools, blacksmithing, etc.	45 03	
				944 56
Perry Tp. Road, Con. 9.		E. B. Clearwater, overseer, 12 days at 2.25	27 00	
	do	Pay lists, wages of men employed	173 00	
				200 00
Proudfoot Con. 4 & 5 Rd.		Jos. Hunter, overseer, 20½ days at 2.25	46 12	
	do	Pay lists, wages of men employed	245 85	
	do	Sundry persons, tools and postage	8 36	
				300 33
Pattullo and Morley Line.		H. F. Oster, overseer, 19½ days at 2.50	48 75	
	do	Pay lists, wages of men employed	351 63	
	do	Oster Bros., provisions	40 18	
	do	J. McTague, provisions, etc.	15 80	
	do	Sundry persons, tools, lumber, provisions, etc.	65 41	
			521 77	
		Less sale of lumber	12 00	
				509 77
Peterson Road		Jno. U. Bain, overseer, 14½ days at 2.25	32 63	
	do	Pay lists, wages of men employed	163 45	
	do	Sundry persons, teaming, postage, etc.	2 52	
				198 60
Pine Lake Road		Jno. Traves, overseer, 15½ days at 2.25	34 78	
	do	Pay lists, wages of men employed	202 50	
	do	W. Ecclestone, tools	10 95	
	do	Sundry persons, tools, teaming, etc.	4 20	
				252 43
Peterson Road Radcliffe.		M. Culhane, overseer, 14 days at 2.25	31 50	
	do	Pay lists, wages of men employed	113 27	
	do	M Culhane, board of men, 39.00; use of plow and team, 10.25	49 25	
	do	Sundry persons, tools, and scraper	12 35	
			206 37	
		Less sale of tools	6 17	
				200 20
Portland & Railton Rd.		B. Harrigon, overseer, balance, 1903		60 00
Prince Twp Road		L. Landry, overseer, balance, 1903		33 14
Paugh Lake Road		John Minto, overseer, balance, 1903		28 70
Queen's Line		C. Coben, overseer, 11 days at 2.25	24 75	
	do	Pay lists, wages of men employed	274 35	
	do	Craig & Austin, lumber	10 08	
	do	Stationery and postage	35	
				309 53
Raglan and Lyndoch Rds.		H. Kargess, overseer, 14 days at 2.25	31 50	
	do	Pay lists, wages of men employed	156 75	
	do	B. Hartney, tools	12 40	
	do	Postage and repairs to tools	1 85	
	do	Jno. Madigan, overseer, 13 days at 2.00	26 00	
	do	Pay lists, wages of men employed	162 75	
	do	Jas. McCann, scraper	8 50	
	do	Sundry persons, tools, dynamite, etc.	11 40	
				411 15

COLONIZATION ROADS.—*Continued.*

Rolph, Buchanan and Wylie Rd.	Alex. Moore, overseer, 17½ days at 2.25		39 38	
do	Pay lists, wages of men employed		203 74	
do	T. Marion, dynamite, etc		4 05	
do	Sundry persons, blacksmithing, postage, etc.		2 55	
do	Chas. Sennett, overseer, 19 days at 2.25		42 75	
do	Pay lists, wages of men employed		191 63	
do	Jas. Valley, lumber		6 18	
do	C. Sinnett, lumber		5 94	
do	Sundry persons, lumber, tools, etc.		10 30	
do	Florence McCarthy, overseer, 11½ days at 2.25		25 87	
do	Pay lists, wages of men employed		162 75	
do	E. A. Lyon, cedar		9 28	
do	Sundry persons, tools and postage		4 65	
			709 07	
	Less tools sold by F. McCarthy	2 32		
	do C. Sennett	4 10	6 42	
				702 65
Ratter, Con. 2 & 3, Road	N Legault, overseer, 10 days at 2.25		22 50	
do	Pa lists, wages of men employed		78 80	
do	Wm. Munro, overseer, 9 days at 2.25		20 25	
do	Pay lists, wages of men employed		81 75	
do	Alex. Hamilton, spikes		2 50	
do	P Legault, overseer, 12 days at 2.25		27 00	
do	Pay lists, wages of men employed		166 25	
do	H. Montgomery, scraper		8 00	
do	J. Dunnett, repairs to plow		8 00	
				415 05
Reid Roads	C. Coben, overseer, 12 days at 2.25		27 00	
do	Pay lists, wages of men employed		299 61	
do	Postage		40	
				327 01
Ross T'w'p Roads	Francis Crozier, overseer, 17½ days at 2.25		39 37	
do	Pay lists, wages of men employed		143 63	
do	T. E. Richardson, tools and repairs		17 30	
do	Postage		25	
			200 55	
do	Less amount of account unpaid		20 55	
				180 00
Round Lake Road	Hy. Smith, overseer, 17 days at 2.25		38 25	
do	Pay lists, wages of men employed		162 40	
do	Sundry persons, dynamite, blacksmithing, etc.		3 65	
				204 30
Rainy River Road— Aylesworth and Lash	A. Luttrell, overseer, 29 days at 2.50		72 50	
do	Pay lists, wages of men employed		690 57	
do	C. B. Stuart, groceries, etc		111 45	
do	P. F. Beninger, meat, etc		47 85	
do	E Tompkins, tools and camp outfit		43 08	
do	Sundry persons, lumber, provisions, etc		79 25	
				1,044 70
Rainy River Road— T'w'p Dilke	R. Tillson, overseer, 33 days at 2.50		82 50	
do	Pay lists, wages of men employed		520 30	
do	H Proctor & Co., groceries		189 00	
do	Gordon, Ironsides & Fares, meat		13 45	
do	Sundry persons, provisions, stationery, etc		5 17	
				810 42
Rainy River Road— Dilke West to Worthington and Blue Road	Jerry Nolan, overseer, 48 days at 2.50		120 00	
do	Pay lists, wages of men employed		627 60	
do	Gordon & Co., meat		82 51	
do	W. P. Murphy, provisions		44 08	
do	Sundry persons, provisions, lumber, blacksmithing, etc		67 15	
do	Jerry Nolan, to be accounted for		38 66	
				980 00

COLONIZATION ROADS.—*Continued.*

Worthington and Atwood Rd	Thos. Walker, overseer, 75 days at 2.50	187 50	
do	Pay lists, wages of men employed	1,218 87	
do	Rat Portage Lumber Co., provisions, etc	168 17	
do	S Walker, provisions	104 27	
do	W. P. Murphy, provisions, etc	89 14	
do	Gordon & Co., meat	84 45	
do	Sundry persons, provisions, freight, etc	140 46	
			1,992 86
Repairing roads, Rainy River District	W J. Anderson, paymaster.		
do	A. Luttrell, overseer, 19 days at 2.50	47 50	
do	Pay lists, wages of men employed	325 07	
do	C. R. Langstaff, provisions	30 60	
do	B. Luttrell, beef	21 60	
do	Sundry persons, provisions, etc	51 52	
			476 29
Roddick, Crozier and Miscampbell Road	A. Luttrell, overseer, 15 days at 2.50	37 50	
do	Pay lists, wags of men employed	404 83	
do	A Spencer, groceries and provisions	47 35	
do	R. B. Langstaff beef	25 50	
do	Sundry persons, provisions, lumber, cartage, etc.	48 40	
		563 58	
do	Less amount of account unpaid	113 58	
		450 00	
do	D. Kennedy, 75 rods crossway timber	86 25	
do	W. McLennan, 235 rods crossway timber	235 00	
			771 25
Roddick, Crozier and Miscampbell	J A. Tierney, paymaster, balance 1902.		
do	Rat Portage Lumber Co., lumber		18 22
River Road, Draper	J T. Galbraith, overseer, 25 days at 2.25	56 25	
do	Pay lists, wages of men employed	432 78	
do	J F. Young, tools	17 40	
do	Sundry persons, use of tools and repairs	2 10	
		308 53	
do	Less sale of tools	5 00	
			303 53
Radcliffe and Carloe Rd	Jos. Mayhen, overseer, 16½ days at 2.25	36 56	
do	Pay lists, wages of men employed	210 84	
do	W. E. James, tools	14 55	
do	J. Connley, timber	18 30	
do	Sundry persons timber, dynamite, etc	20 40	
			300 65
Round Lake Rd	W. T. Curtis, overseer, 12½ days at 2.25	28 13	
do	Pay lists, wages of men employed	203 93	
		232 06	
do	Less amount of account unpaid	52 06	
			180 00
Racicot Road	G. Racicot, overseer, 5½ days at 2.00	11 00	
do	Pay lists, wages of men employed	87 00	
do	J Loughrin, tools	2 00	
			100 00
Red Bay Road	Duncan McFarlane, overseer, 11 days at 2.25	24 75	
do	Pay lists, wages of men employed	125 45	
do	Ed. Anderson, cedar, etc	00	
			150 70
Rainy River Road	J. A. Tierney, paymaster, balance 1903		61 50
Road Machinery	Sawyer, Massey Co., grades, plows, etc	1,225 00	
do	Good Roads Machinery Co., scraper	52 50	
			1,277 50

COLONIZATION ROADS.—*Continued.*

Strange Bridge	N. McDougall, paymaster.			
do	Pay lists, wages of men employed		413 87	
do	P. Vinette, bolts, etc		14 80	
do	C. N. Railway, freight		70	
				429 37
Stanley and Fort William Rd	N. McDougall, paymaster.			
do	Pay lists, wages of men employed		4,308 23	
do	Fraser & Oakley, provisions		222 97	
do	W. F. Hogarth, provisions		157 29	
do	C. L. Kenny, meat		84 81	
do	W. S. Piper, dynamite, tools, etc		49 00	
do	Sundry persons, provisions, blankets, lumber, etc		285 86	
			3,108 16	
do	Less amount of account unpaid		1,208 16	
				1,900 00
Sebastopol Tp. Roads	Wm. Killeen, overseer, 9 days at 2.25		20 25	
do	Pay lists, wages of men employed		86 50	
do	Postage, etc		25	
do	Emile Drifke, overseer, 17 days at 2.25		38 25	
do	Pay lists, wages of men employed		202 00	
do	McCann Bros., road scraper		10 70	
do	Sundry persons, powder, blacksmithing, postage, etc		10 41	
				368 36
Silver Lake and Burnt River Road	M Mansfield, overseer, 20 days at 2.25		45 00	
do	Pay lists, wages of men employed		208 00	
				333 00
Sherwood and Jones Tp. Roads	Vincent Bloskgie, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		165 90	
do	V. Bloskie, hire of tools, 4.00; postage, .20		4 20	
do	John Pich, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		152 60	
do	McCann Bros., plow		12 00	
do	Sundry persons, tools, stationery, postage, etc.		6 65	
				404 35
Sharbot Lake and Crow Lake Road	J. W. Knapp, overseer, 14½ days at 2.00		29 00	
do	Pay lists, wages of men employed		131 66	
do	Sundry persons, dynamite, tools, etc		8 76	
do	John Chambers, Jr., overseer, 20 days at 2.25		45 00	
do	Pay lists, wages of men employed		181 52	
do	Sundry persons, tools, dynamite, etc		4 11	
			400 05	
do	Less amount of account unpaid		100 63	
				299 42
Springer Tp. Roads	L. Ayotte, overseer, 20½ days at 2.25		46 13	
do	Pay lists, wages of men employed		245 27	
do	E. Maurice, tools		8 15	
do	Postage		25	
do	B. Brazeau, overseer, 8 days at 2.25		18 00	
do	Pay lists, wages of men employed		82 00	
do	Jos. Burton, overseer, 5½ days at 2.25		12 38	
do	Pay lists, wages of men employed		42 00	
do	E. Maurice, tools		1 20	
do	W Dagg, overseer, 6 days at 2.25		13 50	
do	Pay lists, wages of men employed		40 50	
do	G. Savigney, overseer, 8 days at 2.25		18 00	
do	Pay lists, wages of men employed		88 75	
do	F. Bidal, overseer, 8¾ days at 2.25		19 69	
	Pay lists, wages of men employed		120 77	
			756 59	
do	Less sale of tools by P. Savigney	5 00		
do	Less paid by Municipality to F. Bidal	40 46		
			45 46	
				711 13

COLONIZATION ROADS.—*Continued.*

Squaw River Road	Robert Shaw, overseer, 15 days at 2.50.....	37 50	
do	Pay lists, wages of men employed..	256 87	
			294 37
Sudbury and Rayside Rd.	F Gaudaur, overseer, 12 3/10 days at 2.25..	27 67	
do	Pay lists, wages of men employed.....	268 65	
Sudbury and Blezard Rd.	R. Horne, tools.....	3 25	
			299 57
do	O. Frappier, overseer, 18¾ days at 2.25....	41 06	
do	Pay lists, wages of men employed.....	343 03	
do	Frappier & Kilpatrick, tools.....	7 63	
do	Sundry persons, tools and repairs.....	8 30	
			400 02
South Algoma Road	Michael Walsh, overseer, 10 days at 2.25.....	22 50	
do	Pay lists, wages of men employed.....	75 00	
do	M. Walsh, rent of tools	2 50	
do	J. Rhody, overseer, 8 days at 2.25....	18 00	
do	Pay lists, wages of men employed....	85 50	
			203 50
Somerville, Con. 8 and 9, Road	Thos. Byrne, overseer, 18¾ days at 2.25.....	41 06	
do	Pay lists, wages of men employed.....	204 95	
do	Sundry persons, cedar, powder, blacksmith'g, etc	6 00	
			252 01
Somerville Road	John Coulter, overseer, 18 days at 2.25.....	40 50	
do	Pay lists, wages of men employed.....	159 37	
			199 87
South River Bridge, Con. 6 & 7, Machar....	B. Wickett, overseer, 6 days at 3.00.....	18 00	
do	Pay lists, wages of men employed.....	190 84	
do	Claridge & Hillock, lumber.....	103 21	
do	W. McGirr, piles and timber.....	29 00	
do	Sundry persons, timber, bolts, teaming, etc.....	78 70	
			419 75
Strong, Armour and Ryerson..	W. M. Kennedy, overseer, 15 days at 2.25....	33 75	
do	Pay lists, wages of men employed.....	157 37	
do	Hilliar & Clark, tools....	5 25	
do	Sundry persons, timber, repairs, etc....	5 91	
		202 28	
do	Less sale of tools....	2 28	
			200 00
Stisted Road, Con. 8 & 9, Lot 22..	Albert Robinson, overseer, 20 days at 2.25.... ..	45 00	
do	Pay lists, wages of men employed.....	240 53	
do	White Bros., tools, etc.....	12 35	
do	Hy Hines, plank	2 12	
			300 00
Strong Tp. Roads.... ..	G. E. Gibbons, overseer, 18½ days at 2.25..... .	41 63	
do	Pay lists, wages of men employed.....	185 79	
do	J T. Harvie, timber.....	18 83	
do	Sundry persons, tools, stationery, etc....	3 01	
do	Jos. Pinkerton, overseer, 17 days at 2.25.....	38 25	
do	Pay lists, wages of men employed.....	205 55	
do	J Pinkerton, repairs.....	5 00	
			498 06
Sebastopol Tp. Road, Eganville & Lake Clear	F Kelby, overseer, 12 days at 2.25....	27 00	
do	Pay lists, wages of men employed....	115 50	
do	Howard & Co., scraper.....	5 00	
do	Sundry persons, tools, postage, etc.....	2 63	
			150 13
South River Bridge.... ..	B. Wickett, foreman, 8 days at 3.00	24 00	
do	Pay lists, wages of men employed	54 00	
do	Trusslor Bros., tools.....	2 00	
do	Sundry persons, teaming.....	7 50	
			87 50

COLONIZATION ROADS.—*Continued.*

South River Bridge..	Wm. Flemming, overseer, 58 days at 2.50.....	145 00		
do	Pay lists, wages of men employed.....	551 00		
do	T. F. Carr, lumber.....	139 30		
do	Sundry persons, plank, rope, blacksmithing, etc.	53 10		
		888 40		
do	Less advanced 1903.....	750 00		
				138 40
Sturgeon Lake and La France Road....	F. Lafrance, 16 days at 2.25 ..	36 00		
do	Pay lists, wages of men employed ...	171 00		
				207 00
Sandy Lake and Buckhorn Road....	R. Shaw, overseer, 9 days at 2.50..	22 50		
do	Pay lists, wages of men employed.....	171 00		
do	Repairs, postage, etc.....	3 15		
				196 65
South Algoma Rd.... ...	J. Finnicure, balance 1902.....			29 45
South Algoma Road, Eganville Rd..	C Schroeder, overseer, balance 1903....			26 90
Sandford Tp. Road..	N McDougall, paymaster.			
do	Pay lists, wages of men employed	397 26		
do	A. J. Gardiner, scraper.....	6 00		
				403 26
Side Line 19 & 20, Ferris and Chisholm....	H. Bogne, overseer, 12 days at 2.25 .	27 00		
do	Pay lists, wages of men employed	165 75		
do	Porter & Co., tools.....	6 60		
do	Repairs and postage.....	65		
				200 00
Scoble and Blake Rd	N. McDougall, paymaster.			
do	Pay lists, wages of men employed.....	667 48		
do	W F. Hogarth, provisions....	150 29		
do	J T. Piper, tools, camp outfit, etc....	49 60		
do	Sundry persons, provisions, supplies, etc. ..	104 35		
		951 72		
Shakespeare Road, to extend	Less amount of account unpaid.....	501 72		
				450 00
do	Jas. Currier, overseer 14 days at 2.25.....	31 50		
do	Pay lists, wages of men employed.....	259 87		
do	W M. Rollins, bolts, etc.....	9 31		
	..			300 68
St. Charles Road....	Alex. Duhaine, overseer, 13 days at 2.00.....	26 00		
do	Pay lists, wages of men employed.....	102 86		
do	J. H. Boyd, plow point.....	1 00		
				129 86
Sudbury Road. (Ramsay Lake)....	O. Pilon, overseer, 14 days at 2.25.. .	31 50		
do	Pay lists, wages of men employed.....	163 46		
do	Sundry persons, use of plow and scraper ..			
				199 96
Sudbury and Neelon Rd	A. Dubrueil, balance 1902.....			33 75
Springer Road to Little Depot	J. D. Vachon,, overseer, 9½ days at 2.25.....	21 38		
do	Pay lists, wages of men employed.....	179 12		
		200 50		
do	Less amount of account unpaid.....	20 50		
				180 00
Spanish River R'd Bridge	Alex. Faubert, overseer, 20 days at 2.25....	45 00		
	Pay lists, wage of men employed.	166 50		
do	Armstrong Bros.. plank.....	64 46		
do	Sims Bros., plank, etc.....	27 55		
do	Sundry persons, timber, bolts, freight, etc.....	46 65		
				350 16

COLONIZATION ROADS.—*Continued.*

Trout Lake, 14 & 15, Rd..	S. Moraeu, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		100 50	
do	D. Smith, work with team		49 00	
do	J. Loughrin, tools, dynamite, etc		18 25	
do	Stationery, postage, etc		75	
				200 00
Tally-Ho Road	Wm. Wilson, overseer, 15 days at 2.25		33 75	
do	Pay lists, wages of men employed		147 75	
do	F. & J. Laurie, cedar		15 01	
do	Sundry persons, blacksmithing, postage, etc		3 50	
				200 00
Tarintorus Road	Conrad Becker, overseer, 28 days at 2.25		63 00	
do	Pay lists, wages of men employed		403 13	
do	Soo Lumber Co., nails, etc		13 74	
do	Sundry persons, dynamite, tools, etc		14 53	
				494 40
Tay an Matcheadash R'd	W. H. Lovering, overseer, 22 days at 2.00		44 00	
do	Pay lists, wages of men employed		166 00	
				210 00
Tait and Shenstone R'd..	W. J. Anderson, paymaster.			
do	A McKenzie, overseer, 25 days at 2.25		62 50	
do	Pay lists, wages of men employed		604 59	
do	Oster Bros., provisions		154 37	
do	J. McTague, provisions		38 70	
do	Sundry persons, provisions, lumber, etc		110 28	
				970 44
Tait and Pattullo Rd	W. J. Anderson, paymaster, balance 1903			33 09
do	H. F. Oster, overseer, 28½ days at 2.50		71 25	
do	Pay lists, wages of men employed		592 46	
do	Oster Bros., provisions		139 01	
do	A. Anderson, timber		96 30	
do	Sundry persons, tools, provisions, bolts, etc		111 07	
			1,010 09	
do	Less lumber sold		11 00	
				999 09
Trout Lake Road	Thos. Hogan, overseer, 20 days at 2.25		45 00	
do	Pay lists, wages of men employed		216 63	
do	McDonald & Hay, tools		9 80	
do	Sundry persons, lumber and blacksmithing		5 07	
			276 50	
do	Less advanced, 1903		250 00	
				26 50
Thessalon Tp. Roads	Treasurer Township Thessalon, grant			3,000 00
Thessalon River Bridge	Dobie & Co., timber for bridge, 1903			64 20
Temiskaming Roads:—				
Armstrong 1 and 2 Con. Road	John McCracken, paymaster:—			
do	F. Atkinson, overseer, 22 days at 2.00	44 00		
do	Pay lists, wages of men	106 35		
do	Taylor Bros., wire	90		
			151 25	
Armstrong 3 and 4 Con. Road	J. Cameron, overseer, 24 days at 2.50	210 00		
do	Pay lists, wages of men	1,261 82		
do	Camp outfit and tools	94 38		
do	Sdry persons, groceries & provisions	466 37		
			2,032 57	
Buck Road to Firstbrook	J. H. Anderson, overseer, 36 d'ys at 2.25	81 00		
do	Pay lists, wages of men	913 07		
do	Sundry persons, teaming	5 90		
			999 97	
Buck Road, Con. 3 & 4	Jno. Reid, overseer, 9 days at 2.00	18 00		
do	Pay lists, wages of men	122 72		
do	Sundry persons, dynamite, etc	10 04		
			150 76	

COLONIZATION ROADS.—*Continued.*

Brethour Road	J. Wilder, overseer, 31 days at 2.25 ..	69 75	
do	Pay lists, wages of men employed..	484 73	
do	G. Cook, blacksmithing, ...	3 60	
			558 08
Buck Road Lots 10 & 11	F. Geroux, overseer, 27¾ days at 2.25	62 43	
do	Pay lists, wages of men employed ..	337 65	
do	Sundry persons, dynamite, etc.	9 42	
			409 50
Dymond, Con. 1 & 2....	S. Scrimshaw, overs'r, 10½ d'ys at 2.25	23 62	
do	Pay lists, wages of men employed ..	75 85	
			99 47
Dymond & Hartley Road	Thos. Waugh, overseer, 41 days at 2.25	92 25	
do	Pay lists, wages of men employed....	498 23	
do	Taylor Bros., tools	1 15	
			591 63
Dymond & Buck Rd....	S. Reid, overseer, 15 days, ½ hr., at 2.00	30 10	
do	Pay lists, wages of men employed	107 16	
do	Sundry persons, dynamite, etc	12 57	
			149 83
Dawson Road	J. Dawson, overseer, 19½ days at 2.25	43 87	
do	Pay lists, wages of men employed....	254 51	
			298 38
Harley & Casey Road..	J. W. Bolger, overseer, 57½ days at 2.25	129 93	
do	Pay lists, wages of men employed..	766 96	
do	Sundry persons, tools	19 01	
			915 90
do	D. Littlejohn, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed ..	303 71	
do	Taylor Bros., tools	7 65	
			347 36
Harley & Hilliard Road	A. Burton, overseer, 50 days at 2.25 ..	112 50	
do	Pay lists, wages of men employed..	619 69	
do	Sundry persons, tent, tools, etc ...	64 27	
do	.... do .. hay and oats	140 89	
do	do prov. & groceries	206 92	
			1,144 27
Harley 3 and 4 Road..	J Mattice, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed ..	142 47	
do	Taylor Bros., camp material	21 23	
do	A. McNaughton, lumber	11 00	
do	Sdry. persons, groceries & provisions..	72 09	
			287 29
Harris, Lots 2 & 3 Road	J. Irwin, overseer, 4 days at 1.75	7 00	
do	Pay lists, wages of men employed ...	14 87	
			21 87
Harley & Hillard Road	J. B. Graham, overseer		
do	Pay lists, wages of men employed		572 34
Harley & Dymond Rd..	R. Davie, overseer, 13 days at 2.00.....	26 00	
do	Pay lists, wages of men employed ..	123 14	
			149 14
Judge & Liskeard Rd	H. Keats, overseer, 53⅞ days at 2.25	134 43	
do	Pay lists, wages of men employed ..	240 14	
do	W. Judge, tools	6 78	
			381 35
Judge Mining Road ...	Wm. Judge, overseer, 58 days at 2.50..	145 00	
do	Pay lists, wages of men employed ..	716 17	
do	Cleveland Bros., dynamite, etc	38 50	
do	Taylor Bros., tools	3 84	
			903 51
Kearns Road, 3 & 4 Con.	J. H. Cook, overseer, 41 days at 2.25 ..	92 25	
do	Pay lists, wages of men employed ..	761 25	
do	Sundry persons, camp outfit and tools	37 23	
do	do prov. & groceries .	118 39	
		1,009 12	
do	Less sale of lumber	8 95	
	..		1,000 17

COLONIZATION ROADS.—*Continued.*

Long Lake Road	T. S. Taylor, overseer, 57 days at 2.50	142 50	
do	Pay lists, wages of men employed....	1,358 85	
do	G. Warrell & Co., provisions	221 99	
do	Sdry. persons, provisions & camp outfit	153 38	
			1,876 72
North Road	S. S. Richie, overseer, 56 days at 2.25	112 50	
do	Pay lists, wages of men employed	1,126 99	
do	Sundry persons, tools & camp outfit	57 18	
do	do hay and oats	209 55	
do	do groceries & provs...	462 05	
			1,968 27
Robillard & Savard Rd	J. T. Regan, overseer, 87½ days at 2.25	196 87	
do	Pay lists, wages of men employed..	500 06	
do	Sundry persons, tent & camp material	30 13	
			727 06
Taylor Rd. to Uno Park	S. Alexander, overs'r, 27 days at 2.25	60 75	
do	Pay lists, wages of men employed .	435 14	
do	Taylor Bros., rope	6 00	
			501 89
Taylor & Wabis, Creek Road	L. Scott, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed..	117 63	
			137 88
West Road in Evanturel	T. S. Taylor, overseer, 61 days at 2 25	137 25	
do	Pay lists, wages of men employed..	1,692 38	
do	Warrell & Co., provisions & groceries	433 82	
do	J. Clark, provisions and groceries	220 07	
do	Sundry persons, camp outfit & provns	351 77	
			2,835 29
West Rd. in Armstrong	J. Fields, overseer, 34 days at 2.50	85 00	
do	Pay lists, wages of men employed..	725 08	
do	Sundry persons, camp outfit, etc	25 97	
do	do groceries & prov...	127 58	
			963 63
West Rd., Armstrong....	J. Sharpe, overseer, 68 days at 2.50..	170 00	
do	Pay lists, wages of men employed ..	1,541 51	
do	Sundry persons, tools, camp outfit, etc	148 65	
do	do hay and oats	219 34	
do	do groceries and provs.	327 20	
			2,406 70
West Rd. in Kearns ...	Wm. Fisher, overs'f, 86 1-10 d'ys at 2.50	215 25	
do	Pay lists, wages of men employed..	1,935 01	
do	Sundry persons, lumber	159 80	
do	do tools & camp outfit	46 92	
do	do groceries & provs.....	275 08	
			2,632 06
West Road, Armstrong	J. Martin, overseer, 14¾ days at 2.00..	29 50	
do	Pay lists, wages of men employed..	44 50	
			74 00
West Road, Kearns (Cutting Hill)	J. Newton, overseer, 42 days at 2.50 ..	105 00	
do	Pay lists, wages of men employed....	522 18	
do	C. Newton, lumber	64 69	
do	Sundry. persons, blacksmithing, tools	23 08	
			714 95
West Road, (General Repairs)	J. Grills, overseer, 84 days at 2.50 ..	210 00	
do	Pay lists, wages of men employed....	913 43	
			1,123 43
West Road, Con. 3 & 4 Armstrong	J. J. Camerow, overseer, 71 days at 2.50	177 50	
do	Pay lists, wages of men employed ..	1,713 48	
do	Sundry persons, camp outfit, tools, etc	66 98	
do	do .. groceries & provisions.	386 30	
			2,344 26
Locating Roads	Thos. Harold, 53 days at 3.00	159 00	
do	Sundry persons, provisions, etc.....	27 00	
do	G. Roach, guide and horse hire	84 00	
do	T. Harold, expenses	91 70	
	..		361 70

COLONIZATION ROADS.—*Continued.*

Disbursements	P. T. Lawlor, team	5 00		
do	V. M. Roberts, surveying North Rd.	21 50		
do	R. Farrah, team	6 00		
			32 50	
			29,814 98	
do	Less paid 1903		27,300 00	
				2,514 98
Temiskaming Roads	John McCracken, paymaster:—			
Buck Road	John Reid, overseer, 12½ days at 2.00	25 00		
do	Pay lists, wages of men employed	179 62		
			209 87	
do	Sundry persons, dynamite	4 25		
Buck & Dymond Road	S. Reid, overseer, 10½ days @ 2.25	23 63		
do	Pay lists, wages of men employed	187 67		
do	J. H. Bell, dynamite	16 00		
do	J. Reid, board of men	5 50		
			232 80	
Evanturel, 6 & 7 Road	T. S. Taylor, overseer 61 days @ 2.50	152 50		
do	Pay lists, wages of men employed	1,054 19		
do	John Clark, groceries, provisions, etc	436 17		
do	D. Frood, butter, oats, etc.	58 38		
do	Sundry persons, provisions, oats, etc.	128 32		
			1,829 56	
Grading Roads	John Grills, overseer 85 days @ 2.50	212 50		
do	Pay lists, wages of men employed	630 90		
do	Taylor Bros., camp outfit	20 41		
do	Sundry persons, repairs to scraper	46 65		
			910 46	
Liskeard & Haileybury Road	Wm. Robb, overseer 16 days @ 2.00	32 00		
do	Pay lists, wages of men employed	158 12		
do	Wm. Fleming, overseer 8 days @ 2.00	16 00		
do	Pay lists, wages of men employed	94 50		
			300 62	
Locating Roads	A. E. Cross, services, 80 days @ 3.50	280 00		
do	Hugh Bond, assistant, @ 2.00 per day	103 00		
do	W. C. Burling, do do	122 00		
do	W. C. Walton, provisions	30 92		
do	Sundry persons, blankets, tents, provisions, etc.	26 38		
op	Travelling expenses	48 55		
			610 85	
Judge & Liskeard Rd	H. Keals, overseer, 51 days at 2.25	114 75		
do	Pay lists, wages of men employed	385 07		
do	Sundry persons, tools	4 40		
			504 22	
Robillard and Savard	J. T. Regan, overseer, 35½ days at 2.25	79 88		
do	Pay lists, wages of men employed	426 91		
do	L. G. Hooey, tools	8 45		
			515 24	
West Road	J. Newton, overseer, 23 days at 2.00	46 00		
uo	Pay lists, wages of men employed	172 14		
do	C. Sharp, overseer, 48 days at 2.25	108 00		
do	Pay lists, wages of men employed	475 44		
do	E. Reilly, oats, hay, etc.	103 70		
do	G. Warrell & Co., provisions	55 04		
do	Sundry persons, provisions, board, etc.	80 77		
do	F. Haley, overseer, 25 days at 2.50	62 50		
do	Pay lists, wages of men employed	285 84		
uo	P. Brown, meals for men	105 40		
do	Jno. Clark, oats, hay, etc.	45 46		
do	T S. Taylor, overseer, 44 days at 2.50	110 00		
do	Pay lists, wages of men employed	863 62		
do	P. Brown, board of men	311 64		

COLONIZATION ROADS.—*Continued.*

West Road.—*Continued.*	Ira Taylor, board of men		92 40	
do	John Clark, hay, oats, etc.		59 74	
do	Sundry persons, provisions, blankets, etc.		157 39	
			2,916 94	
	Less hay sold by T. S. Taylor		11 50	
				3,123 58
West Road, Kearns	John Newton, overseer, 8 days at 2.50		20 00	
do	Pay lists, wages of men employed..		83 34	
do	S. Eplett, tools		2 85	
				106 19
Haileybury & Cobalt Rd..	Fred. A. Giroux, overseer, 44½ days at 2.50		111 25	
do	Pay lists, wages of men employed..		654 17	
do	Little Bros., plank, etc.		88 84	
do	Sundry persons, tools, dynamite, etc		62 87	
			917 13	
	Less amount of account unpaid		417 13	
				500 00
Firstbrook Twp.	J. Grills, contract, to stump and grub a road 3 miles at 220.00 per mile..			660 00
Evanturel and Marter	Denis Foley, contract to chop and clear a road, along line between Evanturel and Marter, from line between lots 6 & 7 to West boundary of Marter, 3 miles at 200.00 ..			600 00
Chamberlain Twp.	Brown & Younghusband, contract to chop and clear a road, along east limit of Chamberlain, 3 miles at 200.00			600 00
Long Lake Road	J. E Decoe, contract to build a road 20 miles at 400.00		8,000 00	
do	Extras:—Deviation in road 16½ chains at 400.00 per mile		82 50	
do	Crossway timber at 1.00 per rod..		140 00	
do	Culverts, plowing and grading...		250 00	
do	Allowance for bridges, constructed ..		250 00	
do	Allowance for camp, stables, etc. ..		125 00	
			8,847 50	
	Less advanced, 1903 .. 3,552 00			
	Less, deducted stumps, not removed 220 00		3,772 00	
				5,075 50
Kearns and Henwood.....	Jas. Macdonald, contract to cut and clear a road from line between lots 8 & 9 Kearns to line between lots 6 & 7 Henwood, 5 miles at 275.00			1,375 00
Beauchamp Twp.	Jas. Macdonald, contract to cut and clear a road on and along between Cons. 3 & 4 Beauchamp, 3 miles at 275.00			825 00
Chamberlain, Pacaud and Marquis	Jas. Macdonald, contract to cut and clear a road, along east boundary of Chamberlain; south boundary of Pacaud, and east boundary of Marquis, 15 miles at 350.00		5,250 00	
do	Extra for deviations, 2 miles, 3½ chains at 350.00....		715 32	
				5,965 32

COLONIZATION ROADS.—*Continued.*

Evanturel Twp.	Jas. Macdonald, contract to stump and grub a road between lots 6 and 7 to N. boundary of Evanturel, 3 miles at 350.00		1,050 00	
Evanturel and Marter	Jas. Macdonald, contract to stump and grub a road between Evanturel and Marter to Chamberlain, thence along east boundary to Con. 4, thence west to line between 2 & 3 Chamberlain, thence along to south boundary of Pacaud, 10 miles for the sum of	2,950 00		
do	Crossway timber, 75 rods at 2.00	150 00		
			3,100 00	
West Evanturel Road	Jas. Macdonald, logging road		45 00	
Bridging Round Lake and Lablanche River	Jas. Macdonald, contract, 4 bridges		1,766 74	
Kearns and Henwood	W. J. Montgomery, contract to stump and grub from line between lots 8 & 9 Kearns, to east boundary of Henwood, 2 miles at 300.00 per mile		600 00	
Pacaud Twp.	Wm. Judge, contract to stump and grub, south boundary Pacaud, 6 miles at 250.00	1,500 00		
do	Extra deviation ¼ miles at 250.00 per mile	62 50		
			1,562 50	
Pacaud Twp.	Wm. Judge, contract to stump and grub, west boundary Pecaud, from north to south. 6 miles at 255.00 per mile		1,530 00	
Henwood Twp.	Thos. Harold, contract to stump and grub a road along line of 4 & 5 Henwood from east boundary, 1½ miles at 400.00	600 00		
do	Extra:—160 rods ditching at .90 per rod	144 00		
			744 00	
Armstrong Twp.	Thos. Harold, contract, to stump and grub a road from West Road at centre of Armstrong to ½ mile west of east limit of Beauchamp, 3½ miles at 400.00		1,400 00	
				35,742 45
Temiskaming Road	F. Atkinson, balance, 1902			20 00
Verner South to Lake Nipissing	S. Delongchamp, overseer, 14 days at 2.25		31 50	
do	Pay lists, wages of men employed		164 63	
do	Sundry persons, tools and postage		3 95	
				200 08
Verner and Badgerow R'd	Leon Maillot, overseer, 8¾ days at 2.25		19 75	
do	Pay lists, wages of men employed		77 37	
do	F. A. Ricard, tools		3 54	
do	Sundry persons, repairs and postage		95	
do	W. Leduc, overseer, 17¼ days at 2.25		38 82	
do	Pay lists, wages of men employed		253 70	
do	F. A. Ricard, tools		6 48	
do	Sundry prsons, dynamite, blacksmithing, etc.		10 95	
				411 56

COLONIZATION ROADS.—*Continued.*

Vankoughnet Rd....	J. F. Boyd, paymaster.		
do	Pay lists, wages of men employed	2,772 63	
do	W. H. Ewing, provisions, groceries, etc.	691 64	
do	Dawson & Co., provisions	188 26	
do	Moore & Brown, tent, dynamite, tools, etc.	115 75	
do	Sundry persons, supplies, blacksmithing, freight, etc.	223 92	
		3,992 20	
do	Less sale of lumber	5 00	
			3,987 20
Vanhorn Tp. Road	N. McDougall, paymaster.		
do	Pay lists, wages of men employed	449 45	
do	J. G. Hayes, tools, etc.	33 45	
			482 90
Victoria Rd. North of Victoria Bridge....	J. Snell, overseer, 20 days at 2.00	40 00	
do	Pay lists, wages of men employed	349 00	
do	Standard Lumber and Stone Co., rent of tools	11 00	
			400 00
Victoria Rd near Uphill..	Michael Healey, overseer, 12 days at 2.00	24 00	
do	Pay lists, wages of men employed	176 50	
			200 50
Vazina Road....	R. Vazina, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	159 00	
do	R. Lillie, scraper	8 50	
do	Postage, stationery, etc.	1 00	
			200 00
Warren and Martland R'd	F. Dupuis, overseer, 80 days at 2.50..	200 00	
do	Pay lists, wages of men employed	1,760 27	
do	B. Chartrand, teaming	21 00	
do	A. Trudel, blacksmithing	21 15	
do	Sundry persons, tools, nails, etc.	19 45	
do	M P. Doherty, travelling expenses	51 90	
do	N. Desmarias, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	142 41	
do	C. Bertrand, tools	12 60	
do	Sundry persons, tools	13 50	
do	N. Boufford, overseer, 16½ days at 2.25	37 68	
do	Pay lists, wages of men employed	210 36	
do	P Bertrand, tools	7 81	
do	F Zambremont, overseer, 27 days at 2.25	60 75	
do	Pay lists, wages of men employed	286 56	
do	C. Monette, tools....	18 45	
do	J Lamonrens, tools	1 90	
			2,897 29
Warren and Sudbury R'd.	L. McDonald, overseer, 20½ days at 2.25	46 12	
do	Pay lists, wages of men employed	136 60	
do	Alex. Dubrieul, overseer on account	180 00	
			362 72
Warren and Hugel Rd....	H. Christianson, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	255 37	
do	Crowbar	1 25	
			301 62
Widdifield Roads	L Cusson, overseer, 28 days at 2.25	63 00	
do	Pay lists, wages of men employed	276 01	
do	Richardson & Co., tools	8 65	
do	Sundry persons, dynamite, blacksmithing, etc.	2 25	
do	Thos. Macdonald, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	166 36	
do	Macdonald & Hay, tools	5 40	
			550 92

COLONIZATION ROADS.—*Continued.*

Wilberforce and North Algona Rds	J. W. Budd, overseer, 20 days at 2.25	45 00		
do	Pay lists, wages of men employed	180 17		
do	McCann Bros., plow and scraper	21 00		
do	Dunlop & Co., tile	10 35		
do	Sundry persons, lumber and tools	11 50		
do	Wm. Carrow, overseer, 9 days at 2.00	18 00		
do	Pay lists, wages of men employed	83 25		
do	McCann Bros., plows	12 70		
do	Sundry persons, lumber, blacksmithing, etc.	4 62		
do	Daniel Gorr, overseer, 14 days at 2.00	28 00		
do	Pay lists, wages of men employed	156 75		
do	McCann Bros., plow and repairs	13 70		
do	Sundry persons, tools and repairs	10 80		
		595 84		
do	Less sale of plow by Wm. Carrow	10 00		
do	do by J. W. Budd	13 00	23 00	
				572 84
Wisawasa Road	Michael Groulx, overseer, 11¾ days at 2.25	26 43		
do	Pay lists, wages of men employed	168 39		
do	Geo. Morrison, tools	5 80		
do	Sundry persons, dynamite, tools, etc.	3 35		
				203 97
Wainwright Tp. Roads	N. McDougall, paymaster.			
do	Pay lists, wages of men employed	491 52		
do	J. G. Hayes, dynamite, etc.	17 03		
				508 55
Wabigoon and Dinorwic Rd	N. McDougall, paymaster.			
do	Pay lists, wages of men employed			498 73
Wells, road repairs	Nelson Ansley, overseer, 40 days at 2.50	100 00		
do	Pay lists, wages of men employed	598 86		
do	Dobie & Co., oats, supplies, tools, etc.	49 67		
do	Sundry persons, tools, horse feed, etc.	61 00		
		809 53		
do	Less sale of tent	5 00		
				804 53
Webwood and Nairn Road	John Tario, overseer, 32 days at 2.00	64 00		
do	Pay lists, wages of men employed	594 25		
do	N. Lesser & Sons, provisions	87 43		
do	S J. Hawkins, provisions	45 80		
do	Sundry persons, tools, provisions, lumber, etc.	108 43		
				899 91
Worthington and Blue R'd	Jeremiah Nolan, overseer, 42 days at 2.50	105 00		
do	Pay lists, wages of men employed	518 33		
do	W. Phipps, crossway timber	160 00		
do	G. Sleeman, groceries and provisions	96 32		
do	Sundry persons, meat, provisions, tools, etc.	96 32		
do	J Nolan, accountable	4 03		
				980 00
Winnipeg River Road	N. McDougall, paymaster.			
do	Pay lists, wages of men employed	282 26		
do	Ontario Powder Co., dynamite, etc	15 75		
do	Sundry persons, tools	5 60		
				303 61
West Road Tp. Patterson	John Bain, overseer, 20 days at 2.25	45 00		
do	Pay lists, wages of men employed	242 22		
do	Sundry persons, tools and repairs	20 01		
		307 23		
do	Less sale of shovel	55		
				306 68
White River Bridge Piers	D Bell, services and assistance building bridge	23 00		
do	Shaw and Teaky, bridge iron	11 50		
				34 50

COLONIZATION ROADS.—*Concluded.*

White's Bridge, Magnetewan River	Jno. Murphy, overseer, 10 days at 2.25	22 50		
do	Pay lists, wages of men employed	26 00		
do	M Cummins, lumber	38 50		
do	Sundry persons, nails, teaming, etc.	4 82		
				91 82
Wilno and Combermere	Peter Lazinski, overseer, 14 days at 2.25	31 50		
do	Pay lists, wages of men employed	168 60		
				200 10
Wolfe River Bridge	B. Wickett, overseer and builder, 12 days at 3.00	36 00		
do	Pay lists, wages of men employed	249 34		
do	W H. Ratz, lumber	55 68		
do	Sundry persons, teaming, spikes, postage, etc.	50 72		
				391 74
West Arm Road	E. Lefleur, overseer, 8¾ days at 2.25	19 70		
do	Pay lists, wages of men employed	67 90		
do	F. Pilon, lumber	27 82		
do	Sundry persons, bolts, nails, postage, etc.	5 83		
				121 25
Wabigoon and Beaudros Road	N. McDougall, paymaster.			
do	Pay lists, wages of men employed	608 25		
do	Wabigoon Gold Rock Co., provisions	29 94		
do	Wabigoon Meat and Produce Co., provisions	39 86		
do	Sundry persons, camp outfit, meals, teaming, etc.	32 45		
		410 50		
do	Less advanced, 1903	300 00		
				110 50
Wasa Bridge, Chisholm	A. St. Louis, overseer, balance, 1903			8 85
Zealand Tp. Road	N. McDougall, paymaster			
do	Pay lists, wages of men employed	362 31		
do	G. A. Nordrum, hire of tools and right of way	16 00		
do	Wabigoon Hardware Co., tools, nails, etc.	7 85		
				386 16
				176,125 72
	Less Refunds:			
	Parkinson Bridge, 1903	10		
	Sauer Road, 1903	4 72		
	Devlin and Burris Road, 1903	33 20		
	Lacloshe Bridge, 1903	90 00		
	Grand Portage Road, 1901-1903	27 23		
	Loboro and Wilmer Road, 1903	230 00		
	Manitowaning and Providence Bay Road, 1903	117 58		
	Markstay and Warren Road, 1902	2 15		
				504 98
	Total Colonization Roads			175,620 74

CHARGES ON CROWN LANDS.

BOARD OF SURVEYORS ($200.00.)

Secretary-Treasurer—Board of Land Surveyors of Ontario—To pay examiners 200 00

AGENTS' SALARIES AND DISURSEMENTS (35,486.90)

Salary as Agent:—

J. B. McWilliams, 2,500.00; Wm. Margach, 1,600.00; H. Munroe, 1,200.00;
E. Garrow, 1,400.00; Jno. Kennedy, 1,600.00; Chas. Henderson, 1,400.00;
Geo. Sleeman, 1,200; M. Seegmiller, 800.00; W. P. Christie, 1,600.00;
Jos. Maughan, 1,400.00; (arrears 1903, 88.22)
Thos. A. Wigg, 1,400.00; (arrears 1903, 88.22)
W. F. Scott, 1,200.00; (arrears 1903, 133.33)

CHARGES ON CROWN LANDS.—*Continued.*

AGENTS' SALARIES AND DISBURSEMENTS—*Continued.*

E. Lloyd, 1,200.00; (arrears 1903, 59.17)
A. E. Annis, 200.00; Jno. Armstrong, 500.00;
S. G. Best, 500.00; Thos. Buchanan, 300.00; W. Campbell, 300.00;
J. D. Cockburn, 500.00; T. G. Eastland, 300.00; Jas. Ellis, 500.00;
B. J. Gilligan, 300.00; (arrears 1899 to 1903, 1,250.00)
E. Handy, 500.00; Wm. Hartle, 350.00; C. J. Hollands, 300.00;
Alex. Hamilton, 250.00; W. H. Hesson, 500.00; Wm. Kirk, 500.00;
T. J. Ryan, 500.00; J. S. Scarlett, 500.00; Wm. Stephenson, 300.00;
C. R. Stewart, 500.00; Jas Stewart, 300.00; J. R. Tait, 300.00;
Jno. Whelan, 300.00; A. W. Wood, 100.00; H. N. Young, 300.00;

S Davis, caretaker Leonard Island 20 00
D. H. Ames, do Dog and Loboro Lakes 20 00
G. Bilton, do Mud and Loon Lake 25 00
T. E. Armstrong, Services Sub-Agency, Temiskaming District 250 00
H. M. Pardee: do Watching logs, Soo. at $2.00 per day 26 00
A. L. Cloutier: do Homestead Inspector 1 1-4 months, 126.30; accountable for expenses, 100.00 ..... 226 30

Disbursements as Agent:—
Jas. Ellis, 15.65; R. V. Whelan, 3.51; C. R. Stewart, 6.50; W. Stephenson, 35.82; H. N. Young, 10.50; J. Whelan, 9.21; T. G. Eastland, 9.82; T. J. Ryan, 18.85.....
E. Handy, 13.10; L. Mowry, 5.00; S. G. Best, 7.88; W. Campbell, 27.10.....
W. Kirk, 13.32; J. D. Cockburn, 21.17; W. H. Hesson, 18.50.....
A. E. Annis, 73.66; A. W. Wood, 27.00; S. F. Forbes, .86; M. Seegmiller, 9.65..... 327 10

Rat Portage Agency:—
W. Margach: Travelling expenses and disbursements, 590.25.....
S. S. Scovil: Rent of office 1903 for M. Seegmiller, 180.00 .....
Flora McMurphy: Services in office at 1.00 per day, 138.00.....
Assistance: Hugh Linklater, 5.25; R. J. Favell, 5.25; Fred. Sargent, 5.00; R. B. Martin, 6.00.....
E. Riley: Teaming, 57.50; E. F. Kendall, trav. expenses, 7.00 .....
Colborne & Bishop: Team of horses, 240.00; Scott & Hudson, sleigh, 20.00;
Jas. McLaughlin: Wood, 10.50; Wm. English Canoe Co., canoes, 63.50.....
W. McKirdy: Snowshoes, 10.00; D. Pike Co., wagon covers, 9.50.....
Great West Saddlery Co.: Harness, robe, etc., 17.35.....
Horse feed: J. T. Brett, 50.95; Wabigoon Produce Co., 12.16 .....
C. C. Delbridge: Livery hire, 35.00; C. P. Railway Co., freight charges, 49.60.....
Rainy River Nav. Co.: Freight charges and fares of men, 91.30.....
Printing and Stationery: G. W. Smith, 7.70; Miner Pubg. Co., 9.75.....
Postage stamps: S. F. Forbes, 1.14; A. J. Parsons, 16.00..... 1,638 70

Sault Ste. Marie Agency:—
J. Maughan: Services in charge of office Nov. 27-Dec. 8, '03, 50.00.....
J Ganley: Rent of office, 91.00; A. Templeman & Sons, livery hire, 37.00.....
C. T. Adams & Co.: Stationery, 70.35; C. P. R. Tel. Co., telegrams, 18.64..... 266 99

Peterboro Agency:—
Toronto Savings & Loan Co.: Rent of office, 150.00; L. Mowry, postage stamps, 9.00;
Times Ptg. office: Staty. and printing, 76.70; Peterboro Light & Power Co., light, 10.00..... 245 70

Pembroke Agency:
J. C. Kennedy: Expenses and disbursements, 170.58.....
Mrs. J. W. Munro: Rent of office, 50.09..... 220 67

Fort Francis Agency:—
Geo. Sleeman: Travelling expenses and disbursements, 342.05; accountable, 33.95;
Services exploring at 2.00 per day: S. Orr, 38.00; J. Crow, 26.00; J. N. Hurd, 34.00;
R. F. Marsh: Rent of office, 25.00; Rat Portage Lumber Co.: lumber, 5.29 .....
Supplies: E. H. Kelcey, 3.00; H. Williams Co.: 92.95.....
Wells Hardware Co.: Canoes, 93.95; F. W. Fleming: use of canoe, 9.70;
Fort Francis Times: Stationery, 8.75 .....
Travelling expenses *re* water power: R. P. Fairbairn, 75.20; W. McGowan, 30.30.... 818 14

Sudbury Agency:—
C. Henderson: Disbursements, 11.15; R. J. Tough: Rent of office, 120.00.....
A. Cousineau: Services as Inspector, 2.00; Can. Express Co., exp. charges, 5.10;
Provisions and supplies: Geo. Lemon, 41.67; Cockburn Mercantile Co., 15.83..... 195 75

CHARGES ON CROWN LANDS.—*Continued.*

AGENTS' SALARIES AND DISBURSEMENTS.—*Concluded.*

Parry Sound Agency:—
W. P. Christie: Disbursements, 71.84; Accountable, 140.00..... 211 84

Port Arthur Agency:—
J. C. Wiseman: Assistance, 11.25; L. Walsh Coal Co.: Coal, 40.00;
Printing and stationery: *Chronicle* Ptg. Co.: 40.75; J. F. E. Berry & Co., 3.25..... 95 25

New Liskeard Agency:—
J. Armstrong: Disbursements, 37.23; T. E. Armstrong: Services, 150.00;
E. B. Lloyd: Travelling expenses and disbursements, 83.61; Accountable, 16.39.... 287 23

Thessalon Agency:—
T. G. Wigg: Travelling expenses and disbursements, 403.00;
do To pay: Bell Tel. Co.: Messages, 3.20; C. P. R. Tel. Co., telegrams, 4.63;
Algoma Advocate: Printing and stationery, 13.75;.....
N. & A. Dyment: Rent of office, 90.00; Buchanan Bros.: Wood, 5.00;
W. Ketch & Sons: Furniture, 64.60; Provisions, etc.: 39.81;
E. Brown: Services inspecting at 3.00 per day, 54.00;
Stephen Gagne: Assisting at 2.25 per day, 24.75;
J. Gagnon: Assistance, 6.00; C. Donaldson: teaming, 16.00..... 724 74
W. F. Scott: Travelling expenses and disbursements, 130.45;
do To pay M. Ross: Services assisting at 2.00 per day, 30.00..... 160 45
E. W. Garrow: Travelling expenses and disbursements..... 136 57
Jno. Brady: Special Inspection Cardiff 6 days, 30.00; trav. expenses, 11.00..... 41 00
L. K. Cameron: Stationery 30 53

FOREST RANGING AND INSPECTION OF TIMBER LIMITS ($33,341.00)

Services as Ranger at $5.00 per day:—
John Brady: 1,290.00; Accountable, 50.00; John Regan, 1,560.00; Accountable, 150.00;
T. G. Wigg: 220.00; J. J. Pearson, 495. 00; Accountable, 50.00;
Thos. Mooney, 520.00; Accountable, 150.00;
P. McCogherty, 650.00; Accountable, 50.00; A. McGillivray, 405.00; Accountable, 50.00;
W. P. Malone, 635.00; Accountable, 50.00; D. Fraser, 640.00; Accountable, 50.00;
J. L. Bremner, 745.00; Accountable, 50.00; W. Robinson, 1,035.00; Accountable, 250.00;
Jas. Halliday, 800.00; Accountable, 50.00; C. Young, 780.00;
W. Quinn, 1,160.00; Accountable, 50.00; Geo. Elliott, 1,065.00; Accountable, 50.00;
M. T. Hickerson, 585.00; S. M. Johnston, 1,405.00;
W. McGowan, 1,180.00; D. H. Moore, 1,470.00..... .... 17,690 00

Services as Rangers at 4.00 per day:—
A. C. Crawford, 812.00; Accountable, 50.00; J. McConachie, 376.00; Accountable, 150.00;
J. H. McFarlane, 564.00; Accountable, 50.00; Hy. Jervis, 580.00; Accountable, 50.00;
G. Kintrea, 676.00; Accountable, 150.00; J. M. Campbell, 580.00; Accountable, 50.00;
Jas. Watterworth, 660.00; Accountable, 400.00; P. McLaren, 156.00;
T. G. Taylor, 610.00; Accountable, 120.00; L. Loughrin, 416.00; W. McGregor, 50.00;
Wm. Campbell, 500.00; T. McDonald, 596.00; Wm. Wood, 64.00;
L. O. Revelle, accountable, 100.00..... ..... 7,760 00

Services as Ranger at $3.50 per day:—
H. Jervis, 434.00; J. M. Milne, 100.00; W. J. Kirk, 288.50; Accountable, 150.00;
C. H. Widdifield, 187.00; Accountable, 50.00; M. J. Devine, 453.00; Accountable, 50.00;
F. Sinclair, 981.50; Accountable, 50.00..... .... 2,744 00

Services as Ranger at $3.00 per day:—
J. A. Margach, 135.00; Accountable, 300.00; C. Young, 51.00; Accountable, 50.00;
Roy McConachie: Accountable, 100.00; J. L. Hanes, 429.00; P. O'Brien, 54.00..... 1,119 00
R. W. Smith: scaling logs at 4.00 per day, 40.00; E. Reilly: services at 2.00 assisting W. Margach, 107.80; trav. expenses, 27.60 ..... 175 40
L. R. Mackey: Board of E. Reilly, 24.50; Jas. Bolt: services at 2.00, 64.15; Wm. Stillar, services at 2.00, 138.00 .... 226 65
Oliver Obin: Services at 2.00 with G. Sleeman, 112.00; P. O'Brien, services at 3.00 day with T. Hickerson, 87.00..... .... 199 00
A. Bartley: Services at 3.00 per day with T. Hickerson, 210.00; E. A. McKenzie: Services at 3.00 per day, 33.00 .... 243 00

CHARGES ON CROWN LANDS.—*Continued.*

FOREST RANGING AND INSPECTION OF TIMBER LIMITS.—*Concluded.*

Travelling Expenses and Disbursements:—
John Bradey, 20.38; John Regan, 232.70; H. Jervis, 12.75; W. P. Christie, 20.55; T. Mooney, 24.60; J. A. Margach, 29.80; C. H. Widdifield, 22.50; A. McGillivray, 37.00; W. P. Malone, 19.00; J. L. Bremnor, 25.80; W. Robinson, 148.70; S. Kintrea, 12.90; J. M. Campbell. 48.40; Jas. Watterworth, 10.00; E. B. Lloyd, 27.45; Jos. Maughan, 59.89; S. M. Johnston, 19.32; L. Loughrin, 22.20; T. McDonald, 7.30; W. Wood, 76.20; D. H. Moore, 100.99; J. L. Hanes, 34.37; F. Sinclair, 2.50 ..... 1,014 90

Brennan & Ryan: Rent of office for P. McCogherty..... 34 87

C. C. Delbridge: Horse hire for A. McGillivray..... 74 50

W. Margach: Exploring south of Can. Pac. Rwy:—
To pay office rent to Oct., 1904, 80.00; rent of P.O. box to Sept., 1905, 4.00; Board of men, 44.40; telegrams, 2.80; fares of men, 22.00; freight charges, 6.32; J. Parsons, postage stamps, 22.00 ..... 181 52

Services at 1.50 per day:—
P. Jardean, 3.50; R. McPherson, 3.50; E. Riley, 24.00; D. Andrews, 24.00; S. Dimmons, 24.00; T. Kelly, 7.50; T. Harp, 3.00; D. Kelly, 4.50..... 94 00

T McDonald, 2.00 per day, 32.00; D. McGraham, horse shoeing, 4.80..... 36 80

Jos. Derry, teaming, 10.00; J. W. Stone, repairing canoe, 7.00; Rat Portage Hardware Co., hardware, 11.80..... 28 80

Murphy Bros: Wood..... 10 00

W. Margach: Exploring north of Can. Pac. Railway: Accountable, 200.00; To pay. Services at 1.50 day. J. Basley, 18.00; D. L. Stewart, 12.00; T. Juno, 10.50; Geo. Carrier, 31.50; R. Rutherford, 27.00; J. G. Begg, 80.25; H. Linklater, 43.50; R. Stewart, 42.00; James Short, 37.50; Jas. Robinson, 43.50; P. Teahamy, 37.50; S. J. Maiss, 75.00; J. Richards, 141.00; H. S. Patterson, 81.00; Jos. Swain, 37.50; D. Sharpe, 37.50; T. McDonald, 4.00; J. Wood, 1.50; Big Bend, 1.50; W. Williams, 3.00.. 965 25

A. M. Preston: Tracing maps, 20.00; board of men, 409.50; disbursements, 16.16;
do Fares of men, 34.35..... 480 01

Rat Portage Hardware Co'y.: Supplies, 5.30; J. G. Quinn, teaming, 5.00..... 10 30

Wm. Robinson, to pay:—
F. Cochrane, supplies, 6.95; A. Leblanc, 3.85; D. Campbell, services 2.00 per day, 74.00; A. Leblanc, services, 14.00; Indian Guide, 18.00; A. H. Smith, canoe, 22.00; Express charges, etc., 16.50 ..... 155 30

S. M. Johnston, to pay:—
J. A. Barr, post stamps, 18.00; postmaster, rent of box, 2.00; J. T. Wait, rent of office, 50.00 ..... James Ellis, wood, 5.00; W. Ruddy, wood, 5.50; J. Lamour, wood, 3.50; A. T. Budd, stationery, 10.70; J. D. O'Connell, cutting wood, 1.75; D. McCrea, cutting wood, 1.25 ..... 97 70

FOREST RESERVES ($10.249.66)

A. W. Wood, salary as guardian, 250.00; H. Munro, ranger, 100.00..... 350 00

F. H. Wensley: services as fire ranger at 2.00, 198.00; James Stalker, do., 194.00..... 392 00

L. Loughrin, services as chief fire ranger at 3.00, 606.00; do accountable, 50.00..... 656 00
do trav. expenses and disbursements..... 81 93

To pay wages, assistants fire Horse Island, 92.00; Temagami, 25.59..... 117 59

Rangers at $2.00 per day:—
Joseph Turner, 200.00; A. Paul, 92.00; C. Pettypiece, 60.00; T. Petrout, 264.00; accountable, 50.00..... 666 00
J. Friday, 264,00; F. W. Beer, 114.00; J. McLean, 240.00; Antoine Katt, 208.00; W Petra, 12.00 ..... 838 00

H. S.Southworth; services as ranger 2.50 per day, 360.00;allowance for board @ .50, 72.00; 432 00
do Travelling expenses and disbursements, 45.12; to pay fire rangers @ 2.00 per day: John Sampson, 36.00 ..... 81 12
do To pay L. Laronde, 276.00; F. Resterre, 2.00; A. Luke, 2.00; S. Tenabes, 160.00 ..... 440 00

CHARGES ON CROWN LANDS.—*Continued.*

FOREST RESERVES.—*Concluded.*

H. S. Southworth; To pay J Moore, 130.00; C. Nephew, 94.00; for tools, etc., 17.50 241 50
Fire rangers @ 2.50 per day: W. N. Graham: services, 255.00; trav. expenses, 23.60.. 278 60
W. H. Dougherty: 117.50; trav. exps,, 10.20; E. R. Riddle, 342.50; trav. exps., 21.55.. 491 75
F. H. Ward: 120.00; trav. exps., 5.10; K. G. Ross, 370.00; trav. exps., 18.35..... 513 45
A. T. Davidson, 327.50; trav. exps., 18.35; C. F. Earls, 247.50; trav. exps., 18.35; T. W. McLean, 237.50; trav. exps., 17.65..... 866 85
G. A. Davidson: 232.50; trav. expenses, 19.35; A. E. Robillard, 277.50; trav. expenses, 17.85; H. G. Allan, 330.00; trav. expenses, 26.20..... 903 40
J. Turner: 452.50; P. McGregor: 492.50; trav. expenses, 10.60; P. Young, 375.00; trav. expenses, 19.75..... 1,350 35
Israel Dent: 452.50; trav. expenses, 21.90..... 474 40
R. H. Smart: Hardware, tools, etc., 58.14; Rice Lewis & Son: hardware, etc., 25.85; J. Loughrin: pails, etc., 2.40 ..... 85 39
J Leckie: Water buckets, etc., 106.45; Noah Suave, 5 canoes, 200.00; Hudson Bay Co., canoe, 55.00 ..... 361 45
Hudson Bay Co.: Canoe, 38.00; tent, 7.00; canoe, 8.00; storage, 4.00; supplies, 52.54 109 54
W. H. Sparrow: Camp outfit, 28.00; Amer. Tent & Awning Co., campstove, 3.85; Canada Cycle & Motor Co.: gas lamp, 2.87..... 34 72
T Eaton Co.: tents, rope, flags, etc., 174.21; Boyd Calderwell & Co.: blankets, 164.00 338 21
D. O'Connor: tar, paper, cement, etc., 14.85; hire of steamer, 15.00; express on canoes, 5.90; fares of men, 32.60 ..... 68 35
H. G. Woods: rent of store, 6.00; J. G. Ramsay: photo supplies, 4.20..... 10 20
Col Portage Mission: Ojibway dictonaries, 6.00; Geological Survey: man of Nipissing, 4.80 ..... 10 81
Warwick Bros. & Rutter: printing, etc, 5.90; L. K. Cameron: stationery, 12.70; paper, 9.40 ..... 28 00
Dominion Exp. Co.: express charges, 26.66; Can. Exp. Co.: express charges, .40.... 27 06

FEES *RE* SALE OF TIMBER BERTHS ($4,879.59).

Peter Ryan: bal. services as auctioneer, 4,218.34; Copp, Clark Lithographing Co.: litho. maps. of berths, 32.00; D. F. Tolchard, serving lunches, 47.50; Sundry newspapers: Advertising, 628.55 ..... 4,926 39
Less charged in error in 1903, now charged to colonization..... 46 80

4,879 59

FIRE RANGING ($42,989.48).

Services at 3.00 per day:
A. J. O'Neill, 468.00; Expenses, 4.40; P. McCogherty, 760.00 ..... 1,232 40
O. E. Telgman: (balance 1903), 68.00;
do To pay F. B. Telgman, assistant, at 2.00, 290.00; Jas. Navelle, at 2.00, 78.00; Thos. Frog, 8.00; John Kitchen, 3.00; Jas. Miller, 8.00; Trav. expenses and disbursements, 47.50; Provisions and groceries, 210.92 ..... 713 42

O. E. Telgman, at 3.00 per day, 363.00;
do To pay A. McMillan, assistant, at 2.00 per day, 208.00; Jas. Ward, at 2.00, 6.00; John Isaac, at 1.75, 94.50; A. Burgess, at 1.75, 101.50; Supplids, provisions, etc., 214.01; Travelling expenses and disbursements, 78.61... ..... 1,065 62

E. Reilly, at 2.50 per day, 130.00;
do J. G. Begg, assistant, at 1.50, 31.50; H. S. Patterson, at 1.50, 46.50; Exps. and disbursements, 39.50 ..... 247 50

Services at 2.50 per day:
N. A. King, 57.50; Exps., 8.20; A. Milne, Exps. (1903) 2.05; P. McLaren, 65.00; C. Young, 30.00; Exps., 11.00; J. McDonald, 320.00; Exps., 4.00; C. Lazenby, 297.50; Exps., 14.20; M. L. Cahill, 297.50; W. Ledgerwood, 362.50; M. Dwonskonki, 385.00; Exps., 11.00; Geo. Rancier, 380.00; W. Dogherty, 282.50; Exps., 16.10; F. H. Wood, 250.00; Exps., 20.90; H. Logan, 445.00; Exps., 13.95; J. Gardiner, 235.00; Exps., 7.30 ..... 3,516 20

CHARGES ON CROWN LANDS.—*Continued.*

FIRE RANGING.—*Continued.*

Services at 2.00 per day:

W. Burns, 104.00; J. P. Cosgrove, 58.00; D. Wilson, 20.00; J. Tyson, 46.00; J. Stewart, 131.00; J. Middleton, 118.00; J. F. Cleary, 131.00; D. Kelly, 122.00; J. Tough, 122.00; N. Thiverage, 122.00; A. Oulette, 122.00; F. Gould, Jr., 146.00; H. Lamathe, 131.00; D. Rainville, 131.00; A. Reither, 90.00; R. McClelland, 117.00; P. Foley, 104.00; J. Cochran, 132.00; J. Harkness, 131.00; J. Marshall, 38.00; L. Montruel, 131.00; John Findlay, 98.00; John Kelly, 133.00; T. Bromley, 74.00; W. Trainer, 57.00; P. Nolan, 131.00; J. Leckie, 131.00; P. McAndrew, 50.00; Alex. Macdonell, 136.00; J. Harvie, 130.00; F. Fisher, 34.00; Jas. Johnson, 97.00; D. McDougall, 21.00; W. Johnston, 131.00; L. Brennan, 92.00; W. J. Tubman, 105.00; T. F. Kingston, 131.00; C. Potter, 65.00; M. New, 100.00; Geo. Heise, 65.00; Trav. exps., 26.20; H. Anderson, 131.00; R. Brash, 131.00; M. McLean, 105.00; G. N. Wilkins, 131.00; M. Wheirton, 131.00; F. King, 64.00; P. O'Brien, 80.00; G. Favrean, 93.00; R. A. Mann, 74.00; A. McNeill, 127.00; L. P. Lidier, 48.00; A. McKay, 105.00; P. Boyer, 104.00; J. Malloy, 113.00; T. O'Neill, 112.00; T. Bromley, 79.00; Jos. Biggs, 108.00; Sam. Brannan, 101.00; Jno. Urquhart, 25.00; W. C. George, 48.00; P. Hurd, 94.00; H. E. Long, 118.00; S. Costello, 120.00; J. W. Hunt, 107.00; **P. R. Christie, 97.00; R. Owens, 109.00; W. Bethune, 109.00; F. Larond, 123.00;** R. McDermitt, 123.00; J. P. McKee, 120.00; J. Bonfield, 19.00; C. Raymond, 117.00; I. LaBrie, 117.00; J. P. Labrash, 128.00; A. D. McInnes, 105.00; W. Elliott, 118.00; A. D. Grozelle, 95.00; Geo. Wallace, 118.00; H. E. Shephard, 87.00; A. Latour, 131.00; R. Buchanan, 61.00; T. Perrault, 128.00; O. A. Long, 118.00; F. Cook, 100.00; J. F. Brown, 47.00; F. Tooke, 124.00; A. Henderson, 124.00; J. Eagleson, 131.00; W. McIntyre, 131.00; C. Collins, 64.00; T. Waters, 105.00; J. Dawkins, 120.00; J. Burns, 41.00; H. Cook, 105.00; J. Kirby, 27.00; M. Johnson, 110.00; R. McGarvey, 121.00; M. Lemyre, 50.00; A. McColl, 131.00; D. McIlroy, 120.00; M. James, 63.00; R. Kennedy, 67.00; J. Vandickie, 93.00; Jas. Gunn, 125.00; A. McMullen, 126.00; D. L. Callaghan, 117.00; J. Fraser, 69.00; J. B. Lalonde, 131.00; Ignace Dufoud, 102.00; A. McDermid, 108.00; D. Cartier, 110.00; J. Winters, 100.00; T. Tyson, 89.00; Geo. Cole, 125.00; N. Spreadboro, 125.00; S. Farrell, 111.00; D. McGuey, 131.00; J. Driver, 131.00; G. Anderson, 108.00; H. Caswell, 108.00; A. H. Hickson, 130.00; J. Alward, 90.00; W. Paul, 105.00; R. E. Savage, 125.00; S. Savage, 125.00; A. Spaniel, 123.00; B. E. Chamberlain, 131.00; W. Muir, 131.00; D. Jonasen, 131.00; J. Plannt, 127.00; T. Symms, 131.00; A. Gongeon, 131.00; P. Sandow, 131.00; M. Reynolds, 105.00; E. Barron, 131.00; A. Simpson, 105.00; D. Bethune, 105.00; J. H. Finlayson, 131.00; J. Reynolds, 105.00; R. Conway, 123.00; G. Shields, 105.00; D. McNab, 108.00; J. Montroy, 131.00; H. McPherson, 131.00; W. D. Rome, 131.00; J. H. Campbell, 131.00; P. Nolan, 131.00; J. M. Graham, 131.00; M. Lynch, 105.00; T. Irwin, 110.00; R. L. Macfarlane, 129.00; C. King, 127.00; W. F. Rath, 131.00; J. McCaffrey, 119.00; T. Carlin, 124.00; I. Scantlin, 118.00; H. Munro, 131.00; D. Lawson, 119.00; H. Thompson, 30.00; J. Cochrane, 105.00; J. Hamilton, 130.00; W. Body, 131.00; F. Columbus, 131.00; T. Grawberger, 131.00; E. B. Weart, 132.00; J. C. Henry, 86.00; D .McDonald, 104.00; .P Sheridan, 100.00; H. Dennison, 131.00; J. Culhane, 131.00; J. Kingston, 122.00; C. Everett, 131.00; J. Guthrie, 130.00; T. A. Millichamp, 79.00; O. LeBlanc, 131.00; C. O'Brien, 131.00; W. H. Burgess, 131.00; G. Archer, 131.00; J Crombie, 131.00; T. Skuce, 131.00; T. Coghlan, 131.00; C. E. Brewer, 131.00; J. Oram, 131.00; E. Haley, 131.00; Geo. Turner, 112.00; F. Sicard, 131.00; J. McAdam, 128.00; C. E. Rawson, 63.00; R. McNaughton, 134.00; J. Dabe, 79.00; M. R. Page, 131.00; Jos. Smith, 131.00; J. Leahey, 131.00; Wm. May, 131.00; M. Nadeau, 98.00; W. A. Tulloch, 36.00; M. Gagnon, 131.00; O. Gauthier, 131.00; A. Gongean, 75.00; J. Rawson, 120.00; E. D. Edwards, 142.00; G. M. Campbell, 118.00; T. Ousant, 102.00; J. H. Munroe, 131.00; R. Campbell, 112.00; W. J. Kirk, 131.00; Jos. Driver, 115.00; H. Christalaw, 120.00; G. F. Burns, 120.00; T. J. Doyle, 131.00; J. Cloutier, 131.00; O. Gurtin, 131.00; J. St. Laurent, 131.00; H. Massey, 105.00; M. F. Byke, 105.00; P. Tindeau, 131.00; T. B. Dunn, 105.00; F. Pelow, 131.00; W. H. McDermott, 108.00; J. Yeomans, 72.00; H. Campbell, 125.00; W. Thompson, 112.00; J. L. McDermott, 104.00; J. Boisvert, 102.00; F. Guiney, 98.00; O. Bellefeuille, 131.00; G. Campbell, 131.00; J. Armitage, 131.00; J. P. Cosgrave, 78.00; B. Larois, 131.00; J. Beaudry, 131.00; P. Mercier, 131.00; R. D. Thompson, 131.00; Geo. Page, 131.00; A. Garceau, 131.00; C. Lorenz, 131.00; S. Valin, 131.00; M. McDonald, 131.00; A. Harvie, 131.00; J. Hanrahan, 131.00; J. Wilson, 54.00; A. J. McDonald, 31.00; G. J. Moore, 131.00; J. Harkness, 131.00; L. Smith, 131.00; G. D. McLaren, 92.00; E. F. Tomlinson, 46.00; W. J. Martin, 42.00;

CHARGES ON CROWN LANDS.—*Continued.*

FIRE RANGING.—*Concluded.*

Services at $2.00 per day :
E. McFadden, 131.00; W. A. Lytle, 104.00; W. F. McDermott, 104.00; M. Hartley, 104.00; J. Cole, 31.00; J. C. MacCormick, 131.00; J. Campbell, 125.00; W. J. Armstrong, 125.00; S. Kennedy, 97.00; J. Tyson, 41.00; J. Cozens, 120.00; J. Cunningham, 131.00; A. Harvie, 95.00; W. Williams, 131.00; M. W. Linton, 131.00; R. Peters, 131.00; J. Griffin, 131.00; J. McPhee, 131.00; I. Chapert, 130.00; W. Parent, 130.00; N. Quesnelle, 105.00; T. Wattie, 79.00; F. Gould, Jr., 130.00; W. Trainer, 63.00; W. Farrell, 105.00; N. Austin, 114.00; J. McIntyre, 108.00; C. Austin, 66.00; D. McDonald, 131.00; W. Green, 105.00; W. H. Reamsbottom, 105.00; R. Payne, 84.00; R. Dillabough, 38.00; D. O'Hara, 78.00; A. P. Hillman, 109.00; A. Forde, 91.00; B. Pine, 131.00; T. Harper, 131.00; J. McIntyre, 130.00; P. D. Volkes, 131.00; J. Johnston, 101.00; H. B. Brown, 131.00; W. Stevenson, 126.00; M. Mulloy, 131.00; J. J. O'Connor, 131.00; M. Lamoff, 131.00; W. J. Law, 131.00; J. D. Grant, 131.00; H. McPhee, 131.00; C. McGhie, 131.00; J. S. Mories-Hoff, 105.00; S. Gagnon, 21.00; O. Gagnon, 36.00; J. McCreary, 131.00; H. Burke, 43.50 ..... 33,107 70

Services at 1.50 per day :
A. Groulx, 98.25; B. C. Mason, 66.75; C. Peelar, 97.50; A. Rich, 71.55.. 334 05

Assistance extinguishing fires :
Hull Lumber Coy., 266.63; Algoma Commercial Coy., 51.56; McLachlan Bros., 1,094.31; J. R. Booth, 69.87; Doheny & Grant, 588.00; Doheny & Donovan, 104.13; Pembroke Lumber Coy., 106.75; Thos. Machie, 38.00; Holland & Graves, 180.50; Morgan Lumber Coy., 10.00; Mickle, Dyment & Son, 158.63; Gilmour & Coy., 7.50; A. Lumsden, 4.75; E. Benoit, 40.60; Brennen & Ryan, 10.50; S. Wallison, 35.25; A. R. McDonald, 156.27; Pitts & Chantler, 10.00; Rathbun & Coy., 22.68; Dickson & Coy., 160.38; Graham & Ferguson, 9.00; Loveland & Stone, 11.25; United Factories, 10.50; D. O'Connor & Co., assistance extinguishing fires, Temagami water pails, 8.50; Wages, 4.80; Meals, 2.10 ..... 3,162 46

Rainy River Navigation Coy.: Freight charges on canoe for W. Margach 2 80

H. Armstrong: Inspecting engines on T. N. O. Railway 15 00

F. H. Hopkins & Coy.: Railway velocipedes for use on T. N. O. Railway..... 145 00

McDonald & Hay: Oil for velocipedes 2 25

43,544 40

Less refunded by T. N. O. Railway, 428.92; Expenditure (1903) 126.00 ..... 554 92

42,989 48

CULLERS' ACT ($68.17).

Services as Examiner :
W .Turnbull, 8.00; D. L. Mather, 4.00; J. Mulvihill, 8.00;
Travelling expenses: J. B. McWilliams, 16.30; Geo. Sleeman, 16.00; S. M. Johnson: disbursements, 8.75; W. Turnbull: To pay for use of school, 2.00; Port Arthur Chronicle: Advertising, 5.12 ..... 68 17

QUEBEC AGENCY ($2,143.87).

Byron Nicholson: Twelve months' salary as Agent 1,500 00

T. Harvey: do Messenger 150 00

Byron Nicholson: Trav. expenses *re* inspection, 170.00; To pay disbursements, 29.82.. 199 82

Department Trade and Commerce: Rent of office, 125.00; W. J. & G. Mulroney: Post stamps and stationery, 30.97 ..... 155 97

Commercial Printing Co.: Printing and stationery 10.75; Postmaster: Rent of box, 4.00 14 75

G. N. W. Tel. Co.: Telegrams, 1.52; C. P. R. Tel. Co.: Telegrams, 2.51 ..... 4 03

Globe Printing Co.: Sub., 4.00; Quebec Chronicle: Sub., 3.00; Boulanger & Marcotte: Dictionary, 4.00 ..... 11 00

Clement & Clement: Typewriter and supplies, 46.30; Dom. Express Co.: Charges, 1.25 47 55

W. Geroux: Supplies for cleaning, 1.25; W. Deegan: Cleaning offices, 17.00; H. J. Hayden: Cleaning offices, 42.50 ..... 60 75

CHARGES ON CROWN LANDS.—*Continued.*

OTTAWA AGENCY ($2,737.10).

E. J. Darby: Twelve months salary as Agent	1,250 00
S. C. Larose: do Clerk	900 00
Sun Life Assurance Coy.: Rent, 500.00; Postmaster: Rent of box and post stamps, 22.40	522 40
J. Hope & Son: Stationery, 43.65; Free Press: Printing and stationery, 3.00	46 65
E. R. McNeil: Duplicator, 10.00; E. J. Darby: Disbursements, 4.05; Globe Printing Coy.: Subscripton, 4.00	18 05

SURVEYS ($101,299 50).

A. H. Macdougall: Balance Survey	Township	Innes		165 12
D. J. Gillon	do	do	Richardson & Potts	232 25
A. J. Lougheed	do	do	Torell	325 27
do	do	do	Dewart	380 83
Thos. Scanes	do	do	Auld	56 78
Angus Smith	do	do	Burt	250 40
do	do	do	Holmes	323 92
A. J. Cameron	do	do	Walker	225 04
E. Seager	do	do	Revell	551 04
A. T. Ward	do	do	Hartman	815 53
do	do	do	Britton & Rowell	1,426 94
W. A. McLean	do	do	McCrae	38 15
A. S. Code	do	do	Taylor	1,317 00
do	do	do	Stock	1,319 80
W. H. Fairchild	do	do	Matheson, Gowan, etc.	3,703 07
J. S. Dobie	do	do	Worden	1,857 37
G. L. Browne	do	do	Hoyle & Murphy	2,636 20
T. J. Patton	Survey	base & meridian lines	Algoma	6,587 48
Cavana & Watson	do	Township	Tully and Preston	4,423 71
W. Galbraith	do	base & meridian lines	Nipissing	5,644 39
do	do	on account Twp.	Sheraton	2,000 00
D. J. Gillon	do	Township	Fleming, etc.	2,660 28
do	do	Timber berths	Rainy River District	2,043 40
Alex. Niven	do	Islands	Temagami Lake	5,021 43
T. B. Speight	do	Township	McCann	2,527 02
do		Meridian and Base	line, Nipissing	3,300 00
do	do	on account Islands	Lake Temagami	1,100 00
W. J. Blair	do	Township	Colemar	1,564 21
J. W. Fitzgerald	do	do	Little and Mann	4,435 52
A. D. Griffin	do	do	Dundonald	2,067 12
do	do	do	McCart	2,062 89
Jas. Robertson	do	do	Cook and Barnett	5,246 12
A. J. Cameron	do	do	Clergue and Teefy	4,314 21
A. H. Macdougall	do	do	Pearson	3,030 47
J. H. Shaw	do	do	Bond, Eagan and Bowman	6,573 68
A. S. Code	do	do	Carr	2,163 90
Jos. Cozens	do	do	Knox and Richard	4,693 64
Thos. Scane	do	do	Pense	2,223 54
J. S. Dobie	do	do	Munro	2,082 69
do	do	do	Beatty	2,292 66
Alex. Baird	do	do	Calvert	3,335 76
E. Seager	do on acct.	do	Mulock	500 00
do	do do	do	Pettypiece	900 00
Extra allowance survey:—				
J. H. Shaw	do	do	Currie	168 18
A. J. Cameron	do	do	Walker	606 73
J. S. Dobie	do	do	Milligan	155 12
do Serv. at 7.00 per day, timber berths, 56.00; to pay Jos. Dobie, asst., 1.50, 12.00				68 00
do to pay Burton Bros., wages, at 2.00, 22.00; trav. expen. & disbursements, 20.10				42 10
T. B. Speight: Serv. sur. Long Pt., at 7.00, 42.00; to pay wages of asst., 18.00; trans., 30.00				90 00
J. F. Whitson: Expenses and disbursements survey vacant land, Fort Francis				86 25
do do	do	timber berths, etc.		219 81
do do	do	pt. Tp. Craig & timber berth Dog Lake		100 93

CHARGES ON CROWN LANDS.—*Continued.*

SURVEYS—*Concluded.*

T. J. Patton: Services, 7.00 per day, timber berths, 112.00; to pay wages assts., 82.50
do Trav. expenses and disbursements, 84.26 ..... 278 76
J .B. Smith: Boxes for shipping iron posts, 5.40; Rice Lewis & Son: Iron posts, 222.50 227 90
Pay lists: Wages of men 836 89

MINING DEVELOPMENT, RAT PORTAGE OFFICE ($180.00).

S. S. Scovil: Rent of office..... 180 00

MINING INSPECTIONS AND EXPLORATIONS ($14,263.45).

W. G. Miller: Twelve months salary as Provincial Geologist..... 3,600 00
A. P. Coleman: do Geologist and Mineralogist..... 500 00
Belleville Office:—
A. G. Burrows: Twelve months salary as Assayer, 1,000.00:
Assistants in Labratory: G. H. Hambly @ 5.00 per week, 228.00:
Wm. Embury @ 3.00 per week, 44.00:
Apparatus, appliances and supplies for Labratory:—
Greenleaf & Son,. 34.35; T. S. Carman, 21.35; Alex. Ray, 159.65;
Wm. McGie, 41.03; Chemists & Surgeons Supply Co., 10.66; Eimer & Amend, 14.40:
Wm. Hoskins & Co., 20.00; Baker & Co., 12.23; Belleville Pottery Co., 27.68:
McIntosh Bros., .40; W. A. Lazier, 5.25; W. W. Chown, .74;
Lyman Bros. & Co., 5.97; A J. McCredan, .20:
Belleville Gas Co.: gas, 66.60; Rathbun Co.: stove coal @ 7.00, 54.50;
C. C. Leavens: Stove coal @ 6.75, 13.50; Belleville Water Works: water, 45.00:
G. A. Burriss: Trav. exps. & disb. 8.05; W. A. Parks: Trav. exps. & disb., 36.75:
Analysis Rock Sections, etc.: E. G. R. Ardagh, 40.00; G. Lamb, 14.50:
C. P. Ry. Co.: Freight chgs., 2.37; Dom. Express Co.: Charges, 15.05:
Can. Express Co.: Charges, 13.23; Collector Customs: Duty & brokerage, 4.20:
Postmaster: Postage stamps and rent of box, 29.00; Mrs. Hart: Cleaning, 12.05:
Cartage: T. Soul, 3.00; R. Stapley, 1.00; Sundry newspapers: Sub. 22.25;
advertising, 208.80.. ..... 2,255 16
Geological and Coal Explorations:—
W. G. Miller: Trav. exps. & disb., 496.02; C. W. Knight: Svs. asst. @ 2.00, 280.00:
R. A. Cartwright: Svs. asst. @ 2.00, 192.00:
W. G. Miller: To pay: Hudsons' Bay Co.: supplies, 161.23;
W. A. Parks: Supplies, 10.30; F. Cochrane: Supplies, 27.84:
F. W. Micklethwaite: Photo sup., 1.58; Chandler & Massey: Slides, glasses, etc., .89:
C. Potter: Compasses, 13.00; T. Eaton Co.: Tent, blankets, etc., 14.00:
A. P. Coleman: Trav. exps. and disb. of self and party, 508.15:
To pay: Wages of assts., 72.00; Supplies, provisions, etc., 88.85:
E. S. Moore: Asst. @ 1.50, 126.00; W. T. Calhert: Svs. asst. @ 2.00, 202.00:
J. G. McMillan: Services geologist *re* Abitibi region @ 100.00 per month, 500.00;
Trav. expenses and disbursements, 155.85:
To pay: O. Mondeaux: Asst. @ 50.00 per month, 200.00; S. Comego: @ 45.00, 90.00:
A. Henderson: Svs. as agriculture expert @ 2.00, 302.00:
J. H. Lang: Svs. asst. @ 40.00 per month, 54.00:
Supplies: G. H. Lemon, 81.02; W. Galbraith, 9.40:
J. G. Ramsey & Co.: Photo supplies, 32.40; T. Eaton Co.: Tents, etc., 28.10: 3,646 63
Dr. J. M. Bell: Svs. @ 150.00 per month, 755.00:
To pay: Trav. exps. & disb. of self & party, 143.92; Simon Cass: Asst. @ 40.00 per month, 142.75:
R. Miron @ 2.00 per day, 254.00:..... 1,295 67
G. F. Kay: Writing report, 50.00; A. E. Gillman: Typewriting report, 19.50:..... 69 50
J. Kiperack: Svs. asst. @ 45.00, 189.00; Rice Lewis & Sons: ammunitn. & tools, 6.88 195 88
Supplies: Hudsons Bay Co., 157.14 J. H. Shaw, 7.02:
W. H. Plummer & Co., 34.03; Art Metropole, 9.15; W. H. Macdougall, 178.38:.. 385 72
Topley Studio: Prints, etc., 40.82; F. C. Ohm's Sons: Preparing rock sections, 32.30 73 12
T. Eaton Co.: Tents, etc., 28.10; F. W. Micklethwaite: Photo materials, 10.30:.. 38 40

CHARGES ON CROWN LANDS.—*Continued.*

MINING INSPECTIONS AND EXPLORATIONS—*Concluded.*

Can. Canoe Co.: Canoes. 201.50; Canadian Express Co.: chgs. on canoes, 21.00	222 50
Chas. Potter: Telescope compasses, thermometers, etc.	114 55
H. W. Evans: Assisting Dr. Bell @ 2.00, 332.00; To pay: S. Jolloneau: Asst. @ 1.50, 51.00; J. Cash: Hire of self & sons, 20.00: Speers & Burke: provisions, 27.34; trav. exps. and disbursements, 79.11	509 45
J. K. Workman: Svs. as geologist with Speight @ 2.00, 222.00; Trav. exps., 53.55:	275 55
Michipicoton Office:—	
D. G. Boyd: Trav. expenses and disbursements	66 67
J. G. Carter: Trav. exps. & disb., inspecting, 401.30; J. G. Ramsay Co.: Photo supplies, 41.40:	442 70
Supplies: Lyman Bros. Co., 1.00; F. W. Micklethwaite, 10.35:	11 35
Clarence Long: Secy. Treas. Melrose Oil Syndicate grant in aid of sinking well	500 00
P Gillespie: Accetble. inspecting cement plants	100 00

DIAMOND DRILLS ($2,513 22).

W. W. Roche: services as manager, 478.58; trav. expenses and disbursements, 104.43	583 01
E. K. Roche: do 582.65; do do 168.83	751 48
Alfred Lloyd: Trav. expenses and disbursements	54 85
Wages as assistants @ 2.25 per day: M. A. Ellis, 125.99; Jas. Boyle, 128.25; James Brooks, 143.43; A. G. Guthrie, 94.50	492 17
Wages as assistants @ 2.30 per day: A Lloyd, 290.95; E. Leduc, 326.17	617 12
do do @ 1.75 per day; W. R. Boyle, 123.37; C. McLachlan, 3.50; W. Whelpton, 33.25; Wm. Raynor, 51.62; R. Bowman, 66.50; L. Yotte, 64.75	342 99
Wages as assistants: A. Lloyd @ 1.60, 64.00; J. Surneay @ 2.10, 5.25; P. Rollo, 5.25	74 50
W. Hubbard @ 2.60, 3.90; C. Brehen @ 1.50, 3.00; T. Craig, 80.25	87 15
Wages as assistants @ 2.00 per day: A. Moline, 104.50; J. Brooks, 152.50; W. Haydon, 119.00; A. Chapman, 69.50	445 50
Hauling water, wood, etc., @ 3.50 per day: T. McLaughlin, 61.25; R. McLaughlin, 109.37; F. Kernick, 1.75	172 37
D. O'Connor: Teaming @ 6.00 per day, 47.70; pay lists, wages men, 30.35	78 05
Can. Foundry Co.: Duplex pump, 141.50; E. Leonard & Sons, exchange on boiler, 308.55	450 05
Castings and supplies for drills: R. Lennox, 2.75; T. M. Brown & Co., 18.90; Rice, Lewis & Son, 20.75; Allan Hill, 2.25; H. Gilbert, 2.28; Sullivan Machy. Co., 338.25; J. Goodison Thresher Co., 10.71; Can. Copper Co., 4.40; Hilliar & Clark, 60.76; E. Leonard & Sons, 7.14; Wells & Emmerson, 69.54; Woodside Bros., 59.29; Waterous Engine Works, 2.00; Robt. Bailey, 7.50; Can. Foundry Co., .95; D. O'Connor, 37.34	644 81
Lumber, timber, etc.: Knight Bros. Co., 11.70; R. Bailey, 22.55; Vigars & Co., 30.47; Pigeon River Lumber Co., 9.80; W. G. Carr, 36.98	111 50
Wood supplied: Jno. Black, 55.68; T. McLaughlin, 121.75; A. A. Agar, 23.00; Black Bay Copper Co., 95.00; Marks & Wylie, 105.00	400 43
Freight, express, teaming, etc.: R. McMaster, 15.00 W. Kirkpatrick, 25.50; R. R. Thorpe, 10.00; F. Kernick, 17.50; T. McLaughlin, 8.00; G. T. Ry. Co., 150.00; Dom. Express Co., 3.75; D. Day, 3.50; S. J. McCutcheon, 50.00; E. Cross, 50.00; C. N. Railway Co., 19.00; C. P. Railway Co., 28.00	380 25
	5,686 23
Less refunded by mining companies, proportion of expenses:— Steinhoff & Gordon, 637.04; Black Bay Mining Co., 382.89; W. G. Fisher, 1,100.00; Marks & Co., 417.63; T. B. Caldwell, 635.45	3,173 01
	2,513 22

SUMMER MINING SCHOOLS ($1,316.57).

W. L. Goodwin: Services summer mining classes @ 5.00 per day, 400.00; expenses and disbursements, 431.21; to pay: Ward's Natural Science establishment: Mineral specimens, 18.05; A. T. Thompson Co., gas lantern, tripod and slides, etc., 97.25; R. J. Lindsay, boxes for samples, 22.31; British Whig, printing, 7.75; J. W. Bain, services @ 5.00 per day, 340.00	1,316 57

CHARGES ON CROWN LANDS.—*Continued.*

IRON MINING FUND ($25,000.00).

(R.S.O. 1897, Cap. 36).

Can. Iron Furnace Co.: Bounty on ore yielding 10,068.748 tons pig iron	9,427 60
Hamilton Iron & Steel Co.: do do 16,630.1780 do	15,572 40

ALGONQUIN NATIONAL PARK ($7,916.08).

G. W. Bartlett: Twelve month's salary as Superintendent	799 92
T. O'Leary: do Chief ranger	600 00
S. Waters: do Ranger	499 92
D. A. Ross: do do	499 92
J Sawyer: do do	499 92
R. Balfour: do do	499 92
G. Godda: do do	499 92
D. Cadenhead: do do	499 92
J. O'Gorman: do do	499 92
D. M. Bell: do do	479 09
J. A. Armstrong: do do	499 92
M B. Cox: do Housekeeper	393 30
T. Beaumont: Three do Teamster	105 00
G. S. Bartlett: One do do	30 00
Thos. Lavoie: Three and one-half do	122 50
G. W. Bartlett, to pay expen. and disbursements, 44.65; telegrams, postage, etc., 12.96; freight and express charges, etc., 115.52; Rankin & Bevindge: Supplies, 1.33; T. Ruddy: Lumber, 3.00	177 46
Travelling expenses: D. A. Ross, 6.05; J. Cox, 7.00; D. C. Cadenhead, 7.50; Geo. Godda, 6.00; J. Sawyers, 4.80	31 35
Furnishings, supplies, etc.: Graves Bros., 7.25; Jas. Sawyer, 4.90; McKinley & Northwood, 7.00; Est. Jno. Smith, 4.50; Gurney Foundry Co., 1.16; Queen City Oil Co., 39.03; H. N. Bate & Sons, 21.80; W. A. Smith, 6.72; Butterworth & Co., 8.38; T. L. Main, 4.00; J. Mackenzie, 16.65; R. M. Scratch, 6.00; J. A. Jamieson, 2.20; S. McDougall, 3.00; Bryson, Graham Co., 49.71; H. Brathwaite, .30; T. Eaton Co., 2.25; K. D. Graham, 22.41	207 26
Devine & McGarey: Hardware, tools, etc., 105.99; J. Oliver: Furniture, 22.50	128 49
J. Strang: Window shades, 61.00; W. C. Edwards & Co.: Window sash, 9.20	70 20
McClary Mfg. Co.: Ranges, stoves, etc., 80.37; White Bros.: Rifle, stove, etc., 31.70	112 07
Lumber, etc: Sheppard Lumber Co., 75.97; A. Barnett & Co., 177.93; M. Brennan Sons & Co., 54.03; Buchanan Bros. Co., 12.00	319 93
Warwick Bros. & Rutter: Printing & binding, 2.53; *Globe* Ptg. Co.: Sub., 4.00	6 53
L. K. Cameron: Staty., 24.10; paper, 1.40; Can. Express Co.: Charges, 9.79	35 29
G. T. Railway Co.: Freight charges, 3.26; Can. Atlantic Ry. Co.: Charges, 29.05	32 31
C. P. R. Tel. Co.: Telegrams, 1.53; H. Shields: Teaming, 5.00	6 53
Renfrew Milling Co.: Wheat, corn, bran, etc., 186.29; Steele, Briggs Seed Co.: Seed, 4.25	190 54
Jas. Cox: Turnips & carrots, 11.50; J. S. Bartlett: Harness, etc., 22.00	33 50
Jno. Wanless Co.: Bronze badges for rangers	33 00
J. A. Devenney, J.P.: Fees and expenses in absence of superintendent	2 45

RONDEAU PROVINCIAL PARK ($2,260.10).

Isaac Gardiner: Twelve months' salary as Superintendent	450 00
H. Gardiner: do Assistant	324 96
Pay lists, wages of laborers, etc	37 13
J. Jacob: Papering, 30.00; J. F. Clark: Trav. expenses *re* estimate of timber, 43.65	73 65
Warwick Bros. & Rutter: Printing, 2.55; L. K. Cameron: Paper, .70	3 25
Postmaster: Postage stamps, 5.00; C. P. R. Telegraph: Telegrams, 1.87	6 87
L. E. & D. R. Ry. Co.: Freight charges, 1.15; Mich. Central Ry.: Freight charges, 8.80	9 95
Ridgetown Plaindealer: Advg., 6.10; Jno. Gosnell: Gravelling road, 250.00	256 10
Jno. Green: Gravelling road, 65.26; W. D. Bates & Bro.: Repairing dock, 150.00	215 26
J. J. Cookson: Cont. foundations under barn, 150.00; concrete walks, 25.00; laying floor, grading, etc., 16.00	191 00
L. Bennett: Gravel, 36.00; Hy. Smith: Trav. expenses, inspecting road & dock, 31.40	67 40
W. H. Walters: Blacksmithing, 38.05; Can. Carbon Light Co.: Installing plant, 70.00; mantles, 3.00	111 05

CHARGES ON CROWN LANDS.—*Concluded.* REFUNDS.

Carpentering: S. Cattle, 10.90; J. C. Lock, 3.40..... 14 30
Hardware: T. D. Bates, 9.92; J. Lang, 58.74; W. B. Graham, 1.05.. 69 71
Wheat, corn, feed, etc.: Watt Bros. & Co., 110.30; C. Hall, 15.00; P. Haggart, 1.18; M. Handy, 23.60; L. Bennett, 8.25; W. R. Bell, 31.88; A. J. Morgan, 7.20; .... Can. Flour Mills Co., 26.61.... 224 02
P. D. McKellar: Registration fee, 1.55; D. Green, V.S.: Attendance, 4.00 5 55
Asylum for Insane, London: Crates for shipping deer..... 5 00
Isaac Gardiner: Exchange on team horses, 90.00; Wm. Gray & Sons Co.: Buggy, 75.00 165 00
S. Cattle: Repairing harness; 13.90; robes, 16.00.... 29 90

Total Charges Crown Lands ... $286,844 69

REFUNDS

EDUCATION ($1,306.48).

Superannuated Teachers Subscription:—
Jas. Johnston, 43.00; Am. French, 5.00; M. Kearney, 8.00; Est. J. T. Bowerman, 204.20; Estate J. Donovan, 244.12; Estate C. H. Peterson, 156.80; T. W. Shipman, 16.00; W. E. Grant, 19.00; D. A. Stewart, 22.00; Mrs. W. J. Carson, 269.36..... 987 48

Normal School Fees:—
Julia O'Connor, 5.00; M. E. Galbraith, 5.00; Susie G. Russell, 5.00;
Rosalie Badgely, 5.00; R. E. Jamieson, 5.00; Lizzie Winter, 5.00;
Ella E. Robson, 5.00; Violet Lennox, 5.00; E. M. Bolton, 10.00;
Florence L. Wilson, 5.00; Maud A. Cooke, 10.00; Agnes G. Douglas, 10.00;
Alice L. White, 5.00; Mrs. D. Valton, 5.00; Rebecca L. Smith, 10.00;
C. Argue, 10.00; Estate M. J. Bullock, 5.00; Jessie T. Russill, 10.00;
M. Edith Watson, 5.00; J. J. Wetherall, 10.00; Eloise T. Hamilton, 10.00;
Harriett J. Cook, 10.00; Agnes F. N. Rodgers, 10.00; Agnes McGath, 10.00;
Kate McKay, 10.00; Elizabeth McKenzie, 10.00; Grace B. Devereaux, 10.00;
Maggie E. Shannon, 5.00; Kathleen Bradley, 10.00; Annie M. Lamont, 10.00;
Jessie A. Orr, 10.00; T. A. Weir, 10.00; Bertha M. Hill, 10.00;
Nellie Mitchell, 10.00; J. Clark, 10.00; J. H. Stubbs, 5.00; Ira A. Cline, 5.00;
Audrey Hutchinson, 5.00; Euphemia Allan, 5.00; Ada L. Wartmann, 5.00;
Lillian King, 10.00 315 00

Examination Fees:—
Alex. Stephen, 3.00; W. J. Sheridan, 1.00.... 4 00

CROWN LANDS ($14,601.89).

Refunds of lands and mining locations:—
John McMorrison, 29 in 4 Digby, 15.00; F. R. du Calland, 1 in 4, McKim, 156.00;
Colin Smith, 12, 13, 14 Con., D. Rama, 150.00;
P. Scully, E½ 20, 21 Con. 5, Blythfield, 20.00;
T. A. Wood, 9 in 5 Cowper, 30.00; S. Corrigan, Bawl's Island, 5.00;
Mrs. G. Bendreau, lot 277 Warra, 5.00; John Moffatt, 14 in 5 Cowper, 10.00;
C. P. Brown, SW ¼ section 30 Prince, 50.00;
T. J. Waters, 19 in 5, 8 in 6 and parts 7 to 12 in L. Barrie, 15.00;
A. C. Rolph, N½ 5, 6 Day, 30.00; J. Welch, 29-30 in 16 Carden, 100.00;
P. Judge, E½ lot 14 in 9, Bedford, 16.00; Jabez Goodman, 22-23 in 15 Carden, 100.00;
H. A. Callaghan, N½ 3 Con. 30, Armstrong, 5.00; S. W. Ray, A. L. 460.2, 500.00;
W. Sturgeon, W½ 5, 4 Widdifield, 40.00; J. Armstrong, pt. lot 2 in 2 Dymond, 18.00;
F. McCarthy, W½ of SW¼, section 8, Nelles, 40.00;
J. Pelangis, W½ 5 in 4 Widdifield, 40.00;
S. L. Thompson, W½ 10 E½ 11 5 Osborne, 5.00;
A. H. Henderson, S½ lot 12 in 6 Armstrong, 5.00;
M.E.Stewart, N½ 9 in 4 Armstrong, 5.00; A. J. Poynter, N½ 4 in 4, Armstrong, 5.00;
Ira Marks, N½ mg. loc. D 185, 42.50; F. W. Frame, W½ 18 in 6, Methuen, 135.00;
M. F. Halliday, 25 and 26 14 Effingham, 35.00; G. H. Gils, Island 40 St. Joseph's

REFUNDS.—*Continued.*

CROWN LANDS.—*Continued.*

Refunds on lands and mining locations:—
Channel, 20.00; B. Shaw, proposed ming. loc. in Thunder Bay, 5.00;
W. Beatty, Three Sister Islands, Gananoque Lake, 5.00;
T. W. Trotter, pt. lot 1 in 6 May, 4.11; T. W. Trotter, SE¼ of N½ lot 2 in 6 May, 42.00,
H. Kershaw, G 2, 50.00; K. Zahalan, N½ 12 in 4, Marter, 5.00;
M. Ferguson, Sr., 401 to 405 R. R. list, 336.00;
J. W. Trout, S½ 4 in 2, Plummer add bl, 140.00;
M. McLean, 19 in 7, Dungannon, 49.50; D. McEachern, N 11¼ Sec. 36, Devine, 30.00;
M. Curran, 3 in 16 Dungannon, 50.00; Geo. McKee, N½ 8 in 5 Plummer, 157.50;
T. R. Smart, lot 209 Wawa, 5.00; J. Bourke, WR 49, Nipissing, 10.00;
J. T. Saunders, N½ 2 in 1, Ingram, 5.00;
Dentin, Dunn & Boultbee, lots 20 & 21 in 16 and 20, 21, 22 in 17 Bonfield, 222.50;
A. W. Thompson, pt. Reserve B in Port Arthur, 600.00;
J. W. Bolger, N½ 9 in 4 Casey, 40.00; H. D. Black, N½ 12 in 5 Armstrong, 5.00;
Carrie Davis, lots 17 & 18 Con. A. Tudor, 66.75;
Clary & Buchanan, min'g loc. 397, 398, 297.00;
Clary & Buchanan, min'g loc. 397-8-9, 640.00;
Jas. O. Cameron, pt. lot, 28 Michipicoten Town site, 15.00;
J. B. Spellman, NE¼ lot 5 in 1 Shakespeare, 42.50;
A. K. Fisk, 4 Islands in St. Joseph's Channel, 80.00;
D. G. Greer, S½ lot 10 Con. 5 Brethour, 5.00;
H. R. Spencer, 925, 928, Rainy River, 672.00; L. A. Dunlop, 401-3, 40.25;
Omer Brown, Island 71, Rideau Lake, 40.00; A. H. Truax (29 in 9 McKenzie 3.00;
J. Grenkie, 11, 8 Cardwell, 50.00; C. Marguardt, 20 & 21—10 & 11 Raglan, 50.00;
Alex. Shaw, N½ 6 in 5 Armstrong, 40.00;
T. J. Harwood, land under water of Long Lake, 40.25;
C. W. Hope, Sen., N½ 3 in 1 Beauchamp, 4.75; S. Brickmann, W½ Sec. 9 Crozier, 110.00;
S. Campbell, S½ 1—1 Miscampbell, 22.50; A. G. Gallasch, 11 & 12, 68.00;
P. Reilly, Island, Rideau Lake, 35.00; J. A. Doyle, N½ 10 in 2 Garson, 320.00;
Mulock & Robarts, L 58 & 447 P, 17.00; L. A. Dunlop, R.L. 401, 40.25;
Holmes & Gregory, 78 & 79 in 5 & 78 & 9 in 6 Merritt, 179.53;
Jos. Blakeney, N½ 2 & 3 Beauchamp, 5.00;
J. Gaudette, 3 & 4 Township Gaudette, 320.00; J. Gardner, Lot 57, R.R. Morley, 50.00;
C. Thompson, pt. 6 & 7 in Rugby, 10.00; W. H. Graham, NE¼ X5 Victoria, 71.50;
Mrs. G. W. Johnson, S½ 5 in 4 Buck, 45.00; Geo. Irwin, N pt. 9 in 1 Balfour, 100.00;
E. Sweeney, 14 in 4 Darling, 100.00; R. A. Kennedy, lots in Wood township, 5.00;
G. L. & R. H. Cockburn, Islands D. & E. L. Nipissing, 10.00;
T. W. Trotter, NW¼ of N½ 5 in 1 Shakespeare, 38.63;
J. B. O'Brian, lot 1 in 6 Hanmer and 7 in 3 Hatton, 105.00;
D. M. McKay, S½ 1 in 4 Tarbutton 12 cords wood cut, 32.96;
G. W. Taylor, lot 1 E Bond St., Bobcaygeon, 20.00;
Delamere Reesert Ross, pt. 12 in 13 Picton, 76.00;
E. A. McLaren, 8 in 4 and 10 in 3 Dryden, 19.50;
Jas. Dillon, E½ of W½ 24 in 12 Bagot, 48.82; D. McCosh, S½ 1 in 4 Ingram, 193.75;
Geo. M. Smith, S½ 8 in 3 Armstrong, 5.00; E. Clegg, N½ 5 in 5 Bryce, 5.00;
T. Davis, S.E.¼ 20 in 10, Pic, 39.25; Jno. Moury, N½ 7—5 Brethour, 15.00;
W. D. Gregory, 3 in 3 McGregor, 118.75; P. F. Ratchforde, 24 in 9 Ross, 179.20;
F. H. Peever, 24 in 9 Ross, 89.60;
G. L. Cockburn, Islands 203, 203a, L. Nipissing, 10.00;
Geo. Morrison, min'g location W. D. 94-5-6 Nipissing, 25.00;
J. D. Fleming, 9, 10, 11 in 2 Laxton, 194.75;
Ed. Bartlett, S½ 15 Con. 16 Carlaw min'g lease, 10.00;
E. F. French, pt. 11 in 2 Melick, 40.00; S. W. Moyes, S½ 12 in 6 Carpenter, 3.00;
Geo. G. Hughes, S½, SE¼ sec. 23 Patullo, 20.00;
Algoma Com'l Co., 4 in 3 Snider, 165.00; 7 in 3, 100.00; 6, 7 & 8 in 3, 37.00;
do 4 in 4, 160.50; 5 & 6 in 4; 31.84; 6 & 7 in 4, 284.50;
do 5 in 5 Graham, 243.75; 9, 10 in 5, 9.07; W½ 5 in 6, 160.00;
do 9 in 6 Graham, 280.45; 10 in 6 Waters, 288.75;
T. S. Raymond, S½ 11 in 4 Bryce, 5.00; M. J. Scott, Island, 13 Cobden, 30.00;
Robt. Barton, lot 2 in 17 Gurd, 50.00; H. D. Graham, min'g loc. M.R. 25, 10.00;
Jos. Larinieve, SW¼ Sec. 22 Shedden, 5.00;
Jos. Johnson, 3 in 4 Bright, 39.38; M. H. Wells, K.W., 731 min'g loc., 124.50;
W. Robertson, 29 in 6, McKenzie, 5.00; C. M. Schutt, N½ 1 in 2 Raglan, 25.00;

REFUNDS.—*Concluded.*

CROWN LANDS.—*Concluded.*

Mrs. E. J. Annis, part lot Van Horne, 19.80; J. Ferguson, Hardy Island, 10.00;
H. L. Davis, Iroquois Island, 5.00; Mary McArthur, Oneeishta Island, 5.00;
J. W. Green, N½ 3 in 1 Firstbrook, 5.00; J. L. Green, S½ 3 in 2, Firstbrook, 5.00;
A. McMillan, 21 in 5, Zealand, 12.05; R. Armstrong, 5 & 6 in 3 & 4 Chesley, 100.00;
N. W. Conterier, 14 in 4 Loraine, 5.00;
Mageau Score & Co., 19 in 21, Con. Hardy, 95.63;
F. A. Cheney, 6 in 5 Gould, 46.87;
Macdonald, Cartwright & Garvey, min'g location H. P. 626, 32.00;
Est. Jas. Hammond, min'g loc. H. P. 623,624, 40.00;
A. L. Russell, H.P. 626, min'g loc., 110.00; L. Arpin, min'g loc. H.W. 689, 163.00;
C. W. Jarvis, min'g loc., H.W. 681, 11.70;
Watson, Smoke & Smith, min'g loc. S.V., 446, 10.00;
W. D. Gregory, min'g loc., W. D. 504, 5, 178.25;
C. W. Nelson, min'g loc., E.S. 100, 13.00; H. W. Selby, min'g. loc., A.L. 512, 28.00;
D. H. Beaton, min'g loc., L. 427, 35.00; C. B. Deloye, on John Island, 10.00..... 11,254 64

Timber Dues to Settlers:
J. A. H. Alexander, 4.60; A. McReynolds, 7.79; Mary Boque, 4.68; Jane Dickson, 1.65;
E. Corey, 7.04; T. Hart, 7.14; J. Hodgson, Sen., 3.56; J. Lonut, 9.19;
H. Condie, 11.52; S. Fisher, 32.66; S. Blos, 23.95; F. H. Tudgeon, 7.52;
A. Wernsche, 13.03; C. Shortack, 14.98; J. W. Peirce, 4.95; W. Schimlker, 7.27;
T. B. Pulow, 1.63; R. H. Salmon, 456.65; S. T. Pereu, 19.51; S. I. Fereu, 25.97;
Mrs. H. Scott, 14.53.... .... 679 82

J. McKim, trespass charges on pine on 12 in 12 Stisted, 11.28; Jos. Walsh, dues on pine opp lots 11 & 16 in 6 Hagerman, 13.00; Mrs. M. E. Allson, trespass dues NW ¼ sec. 7 Korah, 60.32..... .... 84 60

Cullers' Fees:—G. J. Thomas, 4.00; H. Prittie, cullers' exam'n fee, 4.00 .... 8 00

Prospectors' Licenses:—Jas. Connors, 10.00; Thos. Drew, 40.00..... .... 50 00

Miners' Licenses:—C. V. Plummer, 20.00; Jos. Tassie, 10.00; C. M. D'Ysinger, 4.50.... 34 50

Meldrum & Meldrum: Transfer fee Pt Balfour, 14.00; R. B. Gage: Overpaym't *re* mining claim, 9.00 .... 23 00

Black Bay Mining Co.: Am't remaining on deposit, 400.50; A. L. Davis: Rental water power, Dryden, 5.00..... .... 405 50

L. M. Robinson: Amt. paid by J. B. Price for military section..... 15 00

On account road allowance, Treasurer Township of:—
Abinger, 4.29; Ashby, 3.58; Anglesea, 92.74; Armour, 2.17;
Anstruther, 168.75; Burleigh, 22.54; Barrie, 3.78; Brougham, 6.01; Burns, 36.97;
Cardiff, 4.49; Cashel, 10.34; Clarendon, 2.63; Cardwell, 35.23; Carlow, 1.95;
Cavendish, 32.13; Christie, 200.19; Carling, 8.93; Denbigh, 3.18; Dalhousie, 3.87;
Darling, 1.09; Dungannon, 3.10; Draper, 3.19; Effingham, 25.94; Ferris, 170.56;
Fraser, 4.71; Foley, 1.76; Galway, 51.42; Grimsthorp, 129.13; Glamorgan, 21.38;
Griffith, 1.91; Hawey, 20.66; Humphrey, 12.03; Himsworth, N., 30.65;
Hagerman, 132.51; Hirschell, 10.41; Joly, 9.46; Jones, 1.89; Lake, 4.81;
Lawrence, 63.11; Lavant, 9.73; Monmouth, 12.86; Miller, 9.17; Mayo, 1.86;
Matawachan, 7.70; Monteagle, 7.50; Matchedash, 18.09; McDougall, 39.62;
McKellar, 60.00; McLean, 13.64; McClintock, 56.27; Olden, 3.96; Oakley, 60.79;
Palmerston, 1.90; Ryde, 3.53; Raglan, 3.58; Ridout, 96.44; Stisted, 1.00;
Stanhope, 16.74; Tudor, 1.41; Wollaston, 2.98; Wood, 274.57..... ..... 2,046 83

MUNICIPALITIES FUND ($121.66).

Mrs. V. Cronyn: Widow's pension *re* Clergy Reserves.... .... 121 66

LAND IMPROVEMENT FUND ($2,311.58).

Treasurer of Ontario: To pay Municipalities..... .... 2,311 58

MISCELLANEOUS ($309.56).

J. Luke & Sons: Two months' Brewers' License fee.... .... 41 66
D. B. Lepensier: Tavern license of premises destroyed by fire..... 39 40
Jno. Jennings: Estreated bail King vs. Broadhead, Lennox & Addington..... 95 00
R. T. McGirr: Tavern license premises destroyed by fire..... .... 50 17
Geo. Shoeuith: Four mos. Brewers' License fee..... 83 33

Total Refunds $18,651 17

MISCELLANEOUS.

CHARGES ON REVENUE ($15,822.19).

Licenses:—

Warwick Bros. & Rutter: Printing, 448.17; Riordan Paper Mills: Paper, 11.89; Rolph Smith & Co.: Stamp'g, 10.00; L. K. Cameron: Station'y, 211.70; paper, 187.88; Mrs. Hubertus: Postage stamps, 325.00; J. F. Mowat: Trav. expenses, 175.00; J. Armstrong: Trav. expenses, 64.05; J. W. Gordon: 500.00; E. Saunders: 5.10; J. E. Rogers: do 80.00; S. C. McElwain: 50.00 ..... 2,068 79

Rev. Wm. Rochester: Grant to Min'l Assn., Rat Portage, enforcement liquor license Act 400 00

Muskoka License Assn.: Prosecution Indians *re* enforcement of act 121 51

R. L. Gosnell: Legal services, O'Brien *vs* Boon, enforcement liquor act 98 45

H. Totten: Salary as special officer, seven months, 1,200.00; arrears, 1903, 300.00 1,500 00

Succession Duty:—

Legal charges:

J. A. Allan, 17.00; A. C. Hardy, 55.60; W. M. McClemont, 4.36; R. Smith, 7.00; W. A. Lewis, 6.00; W. J. Evans, 515.73; G. S. Henderson, 329.02; Mabee & Makins, 26.26; J. P. Mabee, 3.00; McDonald Shepley & Co., 301.48; F. C. L. Jones, 81.75; W. H. Wardrop, 39.08; Alex. Stewart, 120.00; J. M. McEvoy, 23.85; McClement & Bicknell, 18.29; McLennan Cline Co., 54.66; R. R. Hall, 9.50; J. Idington, 19.50; Thompson, Tilley & Johnston, 15.00; Stratton Hall, 165.82; W. D. Card, 20.00; J. N. Fish, 5.00; J. K. Burgess, 9.62; J. Farley, 10.00; J. J. Smith, 72.20; McCarthy, Osler & Co., 25.00; F. E. Titus, 34.20; Collier & Benson, 15.16; J. Motz, 12.50; W. T. McMullen, 48.10; J. McD. Mowat, 25.58; A. F. Wilson, 51.90; W. S. Buell, 7.08; Dumble & Johnston, 75.00; Frank Ford, 237.40; Chisholm & Logie, 497.42 ..... 2,959 20

Fees as Valuator:—

C. McIntosh, 20.00; A. B. Lee, 25.00; J. Paton, 20.00; W. A. Cole, 75.00; F. H. Deacon, 100.00; W. A. Cole, 50.00; W. H. Wright, 13.04; J. A. Leach, 10.00; J. Wood, 200.00; J. Drynan, 50.00; J. A. Hall, 30.00; J. T. O'Connell, 75.00; T. McKee, 75.00; W. Aldridge, 75.00; W. Fair, 275.00; T. Gibson, 782.45; D. H. McLean, 200.00; Scellen & Weir, 13.00; Washington Beasley, 10.00; G. A. Dana, 122.00; J. N. McKendrick, 30.00; Geo. Cliff, 50.00; R. A. Campbell, 30.00; H. M. Wood, 70.25 F. H. Deacon, 145.00; J. W. Jones, 40.00; S. G. Reed, 40.00; F. R. Hutton, 100.00; H. S. Mara, 780.00 ..... 3,505 74

Barwick, Aylesworth, Wright & Moss: Costs re atty.-gen. vs. C. W. Bingham estate, H. B. Payne, 150.00; Stewart vs. Walker, 1,250.00 ..... 1,400 00

James Smith: Sheriff services, 5.00; expenses, 1.30 ..... 6 30

Mutual Life Insurance Co.: Premium on policy A. M. McDougall, 211.55 .....

Mutual Reserve Insce. Co.: do do 1,097.75 .....

Dominion Life Insce. Co.: do do 475.00 ..... 1,784 30

British American Bank Note Co.: Printing law stamps 206 25

James McMahon: Twelve months' salary as law stamp distributor 2,200 00

M. Currie: Services, 17.00 per week, Algoma taxes 124 66

I. C. Fell & Co.: Auto tablets 385 20

J. E. Rogers: Expenses re circus licenses, 76.80; W. Greer: Exps re circus licenses, 107.55 184 35

W. C. Wells: Commission sale of angling permits, 9.50; Bank of Commerce, Chg. Coll. drainage, debentures, etc., 68.92 ..... 78 42

17,022 19

Less printing, stationery, post stamps, etc., *re* licenses 1,200 00

15,822 19

EXPENSES OF ELECTIONS AND ELECTION TRIALS ($8,302.06).

Bye elections: Costs as returning officer:—

Renfrew: N. W. Moffatt, 573.97; Oxford, S.: James Brady, 838.09 ..... 1,412 06

Muskoka: *Gazette* Printing Co., advtg., 40.00; *Standard* Printing Co., advtg., 40.00 80 00

Election Trials:—

Bruce, Centre	C. V. Parke, sheriff	...Services & expenses	21 75
	Hon. Justice Street	do ..	20 00
	Hon. Justice Moss	do ..	20 00
	C. S. Grant, registrar	...Travelling expenses ...	9 35
Algoma & Sault	W. H. Carney, sheriff	...Services & Expenses	98 00
Grey, North	R. Tyson, reporter	do ..	22 90

MISCELLANEOUS.—*Continued.*

EXPENSES OF ELECTIONS AND ELECTION TRIALS.—*Concluded.*

Grey, North	Sheriff Moore	do	..	100 30
	Hon. Justice Moss	do	..	55 00
	C. S. Grant, registrar	Travelling expenses	..	29 27
	Hon. Justice Street	Services & expenses	..	55 00
Lennox	M. J. Johnston, reporter (1902).	do	..	34 75
Muskoka Soo, York N. & Norfolk	Hon. Chancellor Boyd	do	..	147 00
	Hon. Justice Teetzel	do	..	147 00
Muskoka	Sheriff Bridgland	Services & expenses	..	224 35
	M. C. Cameron	Registrar	..	49 00
Norfolk, North	M. C. Cameron	do	..	28 75
Nipissing	Hon. Judge Valin	Services & expenses	..	108 80
Oxford, South	A. J. Henderson, reporter	do (1902)	..	19 45
Perth, North	Sheriff Hossie	do	..	15 50
	Hon. Justice Street	Travelling expenses	..	13 00
	Hon. Justice Moss	do	..	13 00
	C. S. Grant, registrar	do	..	7 10
Perth, North & York, North	J. E. Henderson, reporter	Services & expenses	..	9 10
Renfrew, North	M. F. Johnson, do	do	..	35 45
	Sheriff Mowat	do		17 00
	Hon. Justice Street	Travelling expenses		47 00
	Hon. Justice Moss	do	..	47 00
	J. S. Grant, reporter	do	..	24 20
Sault Ste. Marie	M. C. Cameron, registrar	Services & expenses	..	103 35
	Hon. Justice Osler	Services	..	10 00
York, North	Sheriff Widdifield	Services & expenses	..	84 00
	M. C. Cameron, registrar	do		31 85
Hamilton: *Times* Printing Co., advtg., (1898), 354.20; Hamilton *Herald*, 354.20				708 40
Kilgour Bros.: Stationery for Deputy Returning Officers, 1905				3,823 10
Neil McDougall: Accountable, Port Arthur & Rainy River, 1905				300 00
James Robertson: Services sorting staty, etc., 106.00; J. H. Pegg: Sorting staty., 106.00				212 00
P. Quigley: Sorting stationery ,4.00; Warwick Bros. & Rutter: Ptg., 40.75				44 75
Riordan Paper Mills: Paper, 16.80; L. K. Cameron: Stationery, 18.15; paper, 7.80				42 75
Dominion Express Co.: Charges, 19.48; Can. Express Co.: Charges, 9.90; D. Wright: Cartage, 1.40				30 78

ONTARIO RIFLE ASSOCIATION.

Captain C. Harbottle: Legislative grant	1,000 00

ONTARIO ARTILLERY ASSOCIATION.

L. H. Irving: Legislative grant	500 00

CANADIAN MILITARY INSTITUTE.

Major D. Donald: Legislative grant	100 00

YORK PIONEERS.

E. M. Murphy: Legislative grant	200 00

MANHOOD SUFFRAGE REGISTRATION.

Judge Finkle: Services as chairman, Woodstock, 10.00; Can. Express Co.: Charges, 3.80	13 80

MISCELLANEOUS—*Continued.*

VOTER'S LISTS ($12,788.82).

Services and Expenses:—

Algoma: Judge O'Connor, 6.50; Algoma: Judge Johnston, 191.50;
do Sheriff Carney, 1,160.01; Algoma: W. A. Quibel: Stipendiary Mag'e, 66.05;
Brant: Judge Hardy, 71.60; Bruce: Judge Barrett, 176.14;
Carleton: Judge MacTavish, 13.85; Carleton: Judge O'Meara, 10.20;
Dufferin: Judge McCarthy, 24.20; Essex: Judge McHugh, 45.95;
Elgin: Judge Ermatinger, 76.00; Essex, Judge Home, 60.70;
do Judge Coulter, 124.95; Frontenac: Judge Rice, 115.35;
Grey: Judge Morrison, 104.05; Haldimand: Judge Douglas, 125.57;
do Judge Halton, 80.60; Halton: Judge Gorham, 46.15;
Hastings: Judge Fraleck, 398.90; Huron: Judge Doyle, 166.60;
do Judge Lazier, 38.50; Kent: Judge Bell, 143.95;
Lambton: Judge McWatt, 133.15; Lanark: Judge Senkler, 79.90;
Leeds & Grenville: Jdge Reynolds, 117.95; Lennox & Addington: Jdge Madden, 167.20;
do Judge McDonald, 31.53; Lincoln: Judge Carman, 102.10;
Manitoulin: Judge McCallum, 223.75; Middlesex: Judge E. Elliott, 108.50;
do Sheriff Jackson, 243.42; Middlesex: Judge McBeth, 107.80;
Muskoka: Judge Mahaffey, 303.90; Norfolk: Judge Robb, 130.65;
Nipissing: Sheriff Varin, 1,073.67; Northumberland: Judge Kitchener, 80.22;
do Judge Valin, 178.80; do Judge Benson, 112.90;
Ontario: Judge McIntyre, 102.00; Oxford: Judge Finkle, 282.89;
Port Arthur & Rainy River: Jdg Chapple, 418.56; Parry Sound: Jdg McCurry, 138.97;
do do .... Judge Fitzgerald, 212.40; do Sheriff Armstrong, 769.45;
do do Sheriff Thompson, 1,081.50; Peel: Jdg McGibbon, 141.95;
do do Sheriff Humble, 914.83; Perth: Judge Barron, 192.59;
Prescott & Russell: Judge Consantineau, 48.90; Prince Edward: Judge Merrill, 54.40;
Renfrew: Judge Danohue, 199.80; Peterboro; Judge Weller, 93.85;
Simcoe: Judge Ardagh, 235.95; Stormont, Dundas & Glengarry: Judge Liddell, 147.80;
Victoria: Judge Harding, 80.75; Waterloo: .. Judge Chisholm, 142.70;
do Judge Dean, 34.85; Welland: Judge Wells, 358.90;
Wentworth: Judge Snider, 126.40; Wellington: Judge Jamieson, 214.55;
York: Judge Morgan, 352.02 ..... 12,788 82

GRATUITIES ($19,709.70).

Mrs. Jessie Gayfer Stewart:	Gratuity late J. K. Stewart, Provincial License Inspector		2,000 00
Estate late J. B. Murphy:	do	Superintendent Brockville L. A.	1,900 00
Mrs. Mary Lumsden:	do	G. E. Lumsden, Asst. Provincial Secy.	2,500 00
Mrs. Emma J. Glen:	do	John Glen, tailor London L. A.	460 00
Mrs. Frank Halliday:	do	Frank Halliday, Crown Timber Agent	800 00
Mrs. W. Wood:	do	Miss Jennie Wood, teacher M. S. Toronto	850 00
Mrs. J. Aldridge:	do	James Aldridge, shoemaker Mimico L. A.	175 00
Mrs. John O'Connor:	do	John O'Connor, Clerk of Works	136 00
Mrs. W. H. Muldrew:	do	W. H. Mu'drew, Dean McDonald Institute	234 00
Arthur Gormley:	Gratuity on retiring	Messenger, Orillia A. F. M.	150 00
Thos. Fitzpatrick:	do	Attendant Reformatory for Boys	500 00
Thomas Harrison:	do	Engineer Blind Institute	600 00
James Gunn:	do	Stoker Orillia A. F. M.	200 00
Robert S. Stratton:	do	Chief carpenter Orillia A. F. M.	550 00
Peter Trowern:	do	Engineer Toronto L. A.	840 00
W. Tracy:	do	Bursar do	1,800 00
James Burrow:	do	Porter do	300 00
Peter Chambers:	do	Night watchman Mercer Refty.	550 00
J. R. Brown:	do	Factory Inspector	1,000 00
John Lillie:	do	Guard Central Prison	550 00
Rev. Stephen Card:	do	Protestant Chaplain Refty. for Boys	600 00
Mrs. Sarah Craig:	do	Matron Agricultural College	500 00
Jane M. Crooks:	do	Assistant Librarian Educational Dept.	550 00
Dr. T. F. Chamberlain:	do	Inspector of Prisons	1,500 00
Mrs. T. Halliday:	Allowance for funeral expenses late F. Halliday, C. L. Agent		114 70
Misses C. E.:	A. M. Baldwin and Mrs. D. M. Baldwin Cooke, additional allowance late C. J. Baldwin, *re* losses on raising and equipping regiment, rebellion 1837-8		350 00

MISCELLANEOUS—*Continued.*

DESTRUCTION OF WOLVES ($3,839.00).

Bounty:—

Antoine, Francois, 15.00; Ahwonegezhic, 15.00; Ahlstron, N. E., 15.00;
Agawasige, Eli, 45.00; Allen, A. L., 15.00; Aquais, Louis, 15.00;
Armstrong, J. A., 45.00; Balfour, Robert, 75.00; Barrie, Ernest 15.00;
Bauville, Marcelle, 15.00; Batis, Micell, Jr., 30.00; Beaver, Geo., 15.00;
Beaucage, Isaac, 15.00; Beaucage, Louis, 30.00; Beckett, Wm. J., 15.00;
Biggs, Jos., 15.00; Bodreau, G., 15.00; Bonhomme, L., 30.00;
Bole, John G., 15.00; Boulian, P., 60.00; Boudah, F., 5.00; Boyd, Thos., 90.00;
Brown, Thos. E., 30.00; Busch, W., 30.00; Neil Brunsel, 105.00;
Cadenhead, D. C., 30.00; Candassi, Jacob, 15.00; Cat, Michell, 15.00;
Cataford, Xavier, 90.00; Commanda, Alex., 30.00; Commanda, Barnabie, 30.00;
Costello, Thos., 15.00; Cox, W. B., 15.00; Clark, Jos. H., 15.00;
Creighton, A. M., 15.00; Crerar, Walt., 15.00; Currier, Jos., 15.00;
Cushok, 15.00; Dent, Israel, 15.00; Deevriver, Ben., 15.00;
Desmoulins, John, 30.00; Didier, L. P., 135.00; Dubreuil, Maxime. 15.00;
Dusia, Joe, 15.00; Farteux, Jos., 15.00; Felstead, Wm., 15.00;
Ferguson, Eli, 45.00; Fisher, Thos., 30.00; Godda, Geo., 15.00;
Golicoeur, Thos., 15.00; Gregory, Thos., 45.00; Gregory, Wm., 60.00;
Gutcher, Jas., 75.00; Haskins, Jas., 15.00; Holmes, Geo., 45.00;
Holmes, H. F. 15.00; Howard, J. J., 15.00; Jellett, J.F., 15.00;
Johnson, Gust., 15.00; Kenny, Orville, 15.00; King, Neil, 15.00;
Kirby, Sam, 15.00; Kirkpatrick, J. T., 15.00; Kippling, Edward, 60.00;
Kurineace, Asa, 15.00; Lafrican, Stephen, 15.00; Land, Moses, 90.00;
Land, Lazarus, 15.00; Laundrie, Alex., 75.00; Legris, Chas., 15.00;
Leroy, Simon, 15.00; (Littlefield, G. E., 15.00; McCann, James, 60.00;
McDougall, Neil, 15.00; McLeod, Angus, 15.00; McMillan, Louis, 15.00;
McOuat, Jas. 15.00; Mathers, Jas. J., 15.00; Merner, Roland, 15.00;
Michel, Xavier. 30.00; Miller, Wm., 15.00; Morrison, Wm., 30.00;
Mowat, John, 15.00; Neilson, Angus, 30.00; Ne-can-e-ga-boo, 30.00;
Noganosh, Peter, 15.00; Ogemakesigwoob, 15.00; Olsen, Paul, 15.00;
Otto, Wm., 30.00; Otto, W. H., 45.00; Ottertail, John, 30.00;
Patoise, 60.00; Penasse, Michael, 15.00; Phillips, Geo. A., 30.00;
Pilon, Xavier, 15.00; Powasin, 45.00; Quick, Wm., 15.00;
Rainshaw, Dan., 15.00; Robertson, John, Jr., 15.00; Robertson, Jas., 15.00;
Ross, Finlay, 30.00; Russell, Geo., 15.00; Sabourin, Albert, 15.00;
Sanders, C., 15.00; Sawyers, H., 15.00; Sawyers, Nicholas, 15.00; Sawyer, J., 45.00;
Sawyer, Ben., 15.00; Sebequay, Robt., 15.00; Shuniahehzic, 15.00;
Shahboogesagooga, 30.00; Spaniel, Alex., 15.00; Sundberg, Nels., 60.00;
Swan, Jos., 30.00; Talouse, Chas., 15.00; Tennant, Wm., 15.00;
Tookenay, Paul, 30.00; Touzel, T. J., 15.00; Trainer, Wm., 15.00;
Tremayne, H. A., 30.00; Treas. Co. Frontenac, 18.00; Treas. Co. Lennox & Ad., 12.00;
Treas. Peterboro, 6.00; Treas. Renfrew, 138.00; Tuon, Andy, 15.00;
Twine, Enos, 30.00; Twine, Michell, 15.00; Valentine, D. B., 15.00;
Vanclieaf, Sam., 15.00; Wah-puh-ne-me-ke, 15.00; Walker, Robt., 15.00;
Waters, Stephen, 105.00; Waters, Thos. F., 45.00; Weart, E. B., 30.00;
Whitebear, Michell, 15.00; Whiteduck, 15.00; Williams, W., 30.00;
Williams, Philip J., 15.00; Wilson, Jos. H., 15.00;
Windigo, Chas., 15.00; Witherup, Geo., 15.00 ..... 3,839 00

TELEPHONE SERVICE ($4,532.51).

Bell Telephone Co.: Rent of instruments:—

Civil Government:—

Government House, 85.00; Attorney General's Dept., 229.62; Education Dept., 150.35; Crown Lands Dept., 99.50; Colonization and Forestry, 88.00; Public Works Dept., 131.56; Treasury Dept., 147.00; Succession Duty office, 53.50; Audit office, office, 45.00; Secretary's Dept., 160.00; License Branch, 45.00. Registrar General's Branch, 45.00; Public Institutions office, 75.00; Labor Bureau, 25.00; Fisheries, 100.00; Game Inspection office, 50.00; Agricultural Dept., 162.89; Insurance, 63.50; King's Printer's office, 63.50; Children's Branch, 16.75; Factories Act, 45.00 ..... 1,881 17

Legislation:—

Speaker's office, 45.00; Speaker's private office, 50.00; Law Clerk's office, 45.00; Leader of Opposition, 45.00; messenger's room, 45.00; press gallery, etc., 29.82; housekeeper, 32.98 ..... 292 80

MISCELLANEOUS—*Continued.*

TELEPHONE SERVICE.—*Concluded.*

Administration of Justice:—
Police office, N.F., 63.50; Police office, Windsor, 88.50; Police office, Sarnia, 29.00; Judges' chambers, Osg. Hall, 45.00; Registrar, High Court, 25.00; Secretary Law Society, 55.00; Inspector Div. Courts, 25.00 ..... 331 00

Education:—
School of Science, 96.91; N. S. London, 103.50; N. S. Ottawa, 45.00; Ontario N. College, 25.00 ..... 270 41

P. I. Mtce.:—
Toronto L. A., 26.00; London L. A., 103.50; Hamilton L. A., 52.00; Kingston L. A., 80.00; Mimico L. A., 118.50; Brockville L. A., 90.00; Cobourg, L. A., 61.75; Orillia A. F. M., 90.00; Central Prison, 104.50; Penetang, A., 90.27; Deaf and Dumb Inst., 99.50; Blind Inst., 71.46; Mercer Reformatory, 45.00 ..... 1,032 48

Colonization and Immigration:—
Immigration Office, Union Depot 45 00

Agriculture:—
Registrar, Live Stock, 45.00 Superintendent Farmers Inst., etc., 103.50; Agricl. College, 235.50;
Experimental Farm, 75.00; Eastern D. School, 27.00; Macdonald Institute, 39.50.. 325 50

Repairs and Maintenance:—
Superintendent of Grounds, 25.00; Mechanical Superintendent, 45.00..... 70 00

Charges Crown Lands:—
Peterborough Agency, 30.00; Peterboro Wood Ranging Office, 29.15; Rat Portage Office, 25.00 ..... 84 15

REMOVAL OF PATIENTS ($6,617.40).

Philip Simser: Twelve months' salary as Bailiff 1,054 00
J. J. Ryan: Five and one-half months' salary as Bailiff 416 50
R. J. Kidd: Six and one-half do do 542 00
Mrs. I. J. Johnston: Twelve do do 704 00
E. Jenkinson: Services *re* collections from counties 100 00
Travelling expenses and disbursements:
P. Simser, 1,405.00; J. J. Ryan, 333.30; Mrs. I. J. Johnston, 900.00..... 2,638 30
Clothing, etc., for Bailiffs:
John Macdonald & Co.: 44.00; J. W. T. Fairweather, 9.00; J. Smellie, 60.00; John Guinane, 12.00; F. Hall & Son, 1.00; Manes Tailoring Co., 15.00 ..... 141 00
Grand Trunk Railway:—Fares transfer of patients:
Toronto to Penetanguishene, 184.95; Brockville to Penetanguishene, 407.35
Mimico to Penetanguishene, 190.30; Hamilton to Penetanguishene, 234.00.. 1,016 60
Golden's Livery: Cab hire *re* transfer of patients 4 00
Dr. Mitchell: Expenses *re* do 1 00

ARBITRATION, CANADA AND QUEBEC ($3,566.81).

E. Irving: Legal services *re* Common School Fund 300 00
Indian Treaty No. 3 ..... 1,300 00
Interest on Trust Funds 350 00
Jones, Haycock & Co. claim against Dominion *re* Parl't Bldgs., Ottawa 300 00
Wyld & Osler: Legal services as Agents, Ottawa 19 19
J. R. Forsyth: Twelve months' salary as Clerk 1,200 00
do Travelling expenses, 55.60; To pay postage, car fare, etc., 10.25 ..... 65 85
N. R. Butcher: Three patent covers, 3.00; Miss L. Angel: Copying documents, 20.32 23 32
Warwick Bros. & Rutter: Printing and binding 8 45

FISHERIES ($26,487.96)

Services and Travelling Expenses as Overseer:—

Addington County ..	P. J. Wensley	Salary	25 00	Expenses	2 50
	H. Vanluven		10 42		
	Jno. Wesley Stewart	do	14 08	do	12 30
Algoma District ..	R. VanNorman	do	250 00	do	141 21

MISCELLANEOUS—*Continued.*

FISHERIES.—*Continued.*

Brant County	A. B. Mesecar	do	40 00	do	14 95
	Hy. Johnstone	do	150 00	do	28 50
Bruce	Jas. Stephens	do	50 00		
	Neil Stewart	do	100 00	do	24 40
	M. McAuley	do	100 00	do	25 40
	B. B. Miller	do	375 00	do	70 85
	A. Waddell	do	100 00	do	78 09
Carleton	E. T. Loveday	do	75 00	do	59 40
Carleton and Lanark	W. J. Welch	do	40 00	do	3 50
Dufferin	A. Hughson	do	20 00		
Durham	Frank Worden	do	25 00		
Durham & Northumberland	S. Freeman	do	75 00	do	12 66
Elgin	C. W. Wannacott	do	150 00	do	42 17
Essex	J. B. Cousineau	do	150 00	do	84 38
	Peter Lamarsh	do	600 00	do	88 82
Frontenac	Jno. L. Sears	do	25 00	do	15 00
	W. H. Goodwin & yacht	do	183 34		
	Wm. Craig	do	75 00	do	46 08
	J. D. Barstow	do	12 50		
	Geo. Clyde	do	50 00	do	86 86
	G. A. McGowan	do	12 50	do	12 23
	W. J. Donaldson	do	25 00	do	12
	Jno. Woodruff	do	25 00		
	Robert Flynn	do	50 00	do	65 37
Grenville	W. H. Shaver	do	41 20	do	11 35
Grenville, Carleton, etc	P. T. Smith	do	50 00	do	15 00
Grey	Jas. Meyers	do	40 00	do	11 50
	Patrick Howard	do	150 00	do	10 55
Georgian Bay	Wm. Pratt	do	500 00	do	116 59
Haldimand	John Farrell	do	100 00	do	81 00
	Arch. Cowper	do	150 00	do	13 92
Haliburton	Jas. Massales	do	37 50		
	Alonzo Rose	do	35 03	do	16 10
Halton	Wm. Sargent	do	100 00		
Howe Island	John Driscoll	do	75 00	do	4 65
Huron	Jas. Yates	do	150 00	do	9 55
Kent	J. K. Laird	do	150 00	do	60 97
	Jas. McRitchie	do	75 00	do	3 01
	John Crotty	do	75 00		
	J. E. Stephens	do	100 00	do	20 30
	Hy. Forbes	do	7 05		
Lambton	Jas. Steed	do	150 00	do	98 08
	Orlando Allen	do	150 00	do	201 95
Lanark	David Mair	do	40 00		
	T. B. Norris	do	40 00	do	2 00
	Wm. Gardiner	do	25 00		
Leeds	F. Williams	do	50 00	do	20 75
	O. V. Goulette	do	75 00	do	20 85
	J. R. Gibson	do	50 00	do	18 75
	J. B. Smith	do	75 00	do	16 00
	Geo. Bilton	do	50 00	do	1 50
	A. J. Flood	do	25 00	do	40
	C. O'Connor	do	25 00	do	46 85
Leeds, Grenville & Frontenac, etc	Hy. Mathen	do	199 98		
	Geo. M. Beecher	do	250 00		
	J. C. Judd	do	500 00	do	199 93
Lennox	Wm. D. Roblin	do	100 00	do	28 65
	J. D. Rennie	do	100 00		
Lincoln	Robt. Hadgraft	do	100 00	do	11 34
Manitoulin Island	Richard Oliver	do	300 00	do	161 50
	do do	do	Accountable		50 00
	S. R. McKewen	do	50 00		
	Thos. Norquay	do	35 00		

MISCELLANEOUS - *Continued.*

FISHERIES. — *Continued.*

Middlesex	J. W. Gibson	do	25 00	Expenses	2 00	
	A. Corsant	do	50 00	do	43 80	
	Alex. Shaver	do		do	16 60	
Maganetewan River, etc	John Free	do	25 00			
Michipicoten Island	H. Daveneau	do	25 00			
Muskoka	F. Brown	do	50 00			
	J. H. Wilmott	do	50 00	do	15 31	
	H. Moore	do	50 00			
Muskoka & Parry Sound	Wm. Smith	do	100 00	do	2 35	
Nipegon River & Lake	C. DeLaronde	do	248 50			
Nipissing	C. Armstrong	do	37 50			
	S. A. Huntington	do	100 00			
	H. M. Legault	do	100 00	do	35 66	
	F. Baechler	do	25 00	do	5 95	
Norfolk	Geo. D. McCall	do	250 00	do	66 50	
Northumberland	F Johnstone	do	81 25	do	19 21	
	Alex. Skeene	do	81 25	do	39 50	
	C. S. Gillespie	do	250 00	do	25 35	
	E. Lynch	do	11 68			
Ontario	Jno. Steele	do	37 50	do	102 80	
	J. Bowerman	do	75 00	do	33 85	
	Jas. M. Willis	do	50 00	do	6 90	
	Jos. Gerow	do	56 25	do	13 05	
	A. O. Gerow	do	18 75			
Ontario & Victoria	M. Thwaite	do	600 00	do	147 81	
Parry Sound	R. Menzies	do	75 00	do	7 05	
	J. Paul	do	75 00			
	J. A. Johnston	do	200 00	do	9 25	
Parry Sound and Nipissing	Geo. M. Bailey	do	25 00	o		
Peel	R. J. Walker	do	50 00	do	1 40	
	A. A. Clunis	do	50 00	do	6 99	
Peterboro'	John Brown	do	100 00	do	11 75	
	P. W. C. Shewen	do	25 00			
	F. J. Moore	do	100 00	do	44 65	
	Thos. Nicholls	do	100 00	do	14 75	
	Jos. Yellands	do	200 00	do	80 95	
	A. McIntyre	do	50 00	do	41 90	
	John Dickson	do	25 00	do	13 40	
Pelee Island	Wm. Stewart	do	100 00	do	12 73	
Prescott	Isaac Blondin	do	50 00	do	8 32	
Prescott, Russell, etc	H. Duchene	do	100 00	do	36 55	
Prince Edward	M. Clark	do	200 00	do	249 80	
Prince Edward & Hastings	J. K. McCargar	do	600 00	do	225 40	
Rainy River	Alex. Guerard	do	200 00			
	John Perry	do	50 00			
	John Nash	do	300 00	do	5 50	
Renfrew	Hy. Barr	do	400 00	do	29 15	
	Chas. Taylor	do	50 00			
Simcoe	Felix Labatt	do	50 00			
	S. Payette (acting)	do	25 00	do	4 51	
	D. McNabb	do	75 82	do	128 15	
	D. A. McNiven	do	75 82	do	48 68	
Thunder Bay	Wm. McKirdy	do	150 00			
	Jas. Whalen	do	50 00			
	Alex. McComber	do	400 00	do	6 50	
Victoria	Nicholas Brady	do	75 00	do	135 56	
	J. R. Graham	do	75 00	do	6 15	
	Alex. Trotter	do	25 00	do	19 90	
Welland	Jos. Ellis	do	75 00	do	81	
Wellington	Colin Robertson	do	25 00	do	3 10	
Wentworth	Chas. Ogg	do	100 00	do	51 30	
Wolfe Island	D. Chattenach	do	100 00	do	8 75	
York	F. Ferry	do	100 00	do	19 85	
	W. R. Wood	do	150 00	do	45 30	
	Ed. Charpontier	do	25 00			18,257 54

MISCELLANEOUS—*Continued.*

FISHERIES.—*Continued.*

Services as Special Guardian:—
Rice Lake: J. Whaley, 72.00; T. Wallace, 15.00; J. Young, Jr., 36.00;
Otanabee River: J. D. Wedlock, 84.00; G. A. Baker, 84.00;
Holland River: C. H. Curtis, 90.00; J. H. Rout, 90.00; H. Graham, 70.50;
Buckhorn & Chemong Lakes: S. Perdue, 25.00; R. Cosgrave, 25.00; J. H. Stabler, 25.00;
Lake Simcoe: T. Adams, 18.00; L. R. Jackson, 15.00;
Simcoe, Couchiching and Sparrow Lakes: A. Leatherdale, 34.50;
Rainy River: A. J. Hunter, 138.00; Lake Scugog: A. Harron, 43.75;
Balsam and Gull River: W. Simpson, 20.00;
Balsam and Cameron Lakes: W. McIntosh, 25.00;
Lake of Bays: G. H. Waterhouse, 69.00; Sydenham River: S. M. Smith, 25.00;
Golden Lake: G. Gaworeau, 25.00; Kettle Point, Lake Huron: J. W. Hamilton, 25.00; 1,054 75

Special Services re enforcement of Act:—
A. H. Clarke, 30.30; A. Bartlett, 1.70; A. Marter, 17.48; W. Newman, 5.00;
L. S. Lewis, P.M., 13.00; M. B. Tudhope, 15.00; Geo. Clyde, 3.80; H. C. Bowen, 178.18;
J. W. Russell, 9.63 .. 274 09

Steamer Gilphie:—

A. Macaulay:	Services as	Captain at	70.00	per month,	568.28;	trav. exps.,	3.00;
Wm. Farr:	do	Mate	50.00	do	200.65;		
Wm. Gidley:	do	do	40.00	do	94.67;		
Geo. McAuley:	do	Engineer	50.00	do	382.58;	do	3.00;
John Dion:	do	Cook	40.00	do	311.83;	do	5.50;
John Matheson:	do	Fireman	35.00	do	171.51;		
D. McKenzie	do	do	35.00	do	34.79;		
T. McCutcheon:	do	Wheelsman	35.00	do	264.79;	do	3.90;
E. Wells:	do	Boatman	35.00	do	187.98;	do	3.65;
W. McDonald:	do	do	35.00	do	71.99;		

A. Macauley: Board of crew, 671.54; sundry disbursements, 12.94;
To pay:—B. Limberner: Wash'g & clean'g, 10.76; Mrs. Dault: Wash'g, etc., 32.35;
W. S. Smidt: Cushion, 27.75; A. J. Ross: Furnishings, 208.15;
J. Jamieson: Uniforms for crew, 142.50; A. Crawford: Uniforms for o'w, 22.00;
Supplies:—Owen Sound Iron Co., 10.60; R. Manders & Co., 59.87;
J. Leckie, Ltd., 17.10; H. A. Wilson Co., 1.00; P. Payette & Co., 6.58;
G. H. Wright, 21.50; A. J. Ross, 1.61; Alcock Leight & Westwood, 2.60;
F. W. Jaffery, .93; C. W. Fox, .50; R. J. Harvey, .35;
Christie Bros. Co., .36;
Coal:—C. Beck Mfg. Co., 20.38; J. K. McLachlan, 81.50; Midland Coal Dock Co., 460.20; Can. At. Ry., 23.50; T. C. Sims, 10.00; Davis Smith, Malone Co., 76.27;
Repairs:— Wm. Kennedy & Son, 64.28; H. E. Gidley & Co., 19.75;
R. Abbey: Care of steamer during winter, 20.00; lumber, carpent'g, etc., 34..12;
Owen Sound Dry Dock Co.: Docking and repairing boat, 120.04;
Scottish Mutual Inse. Co.: Premium on policy, 62.50 .. 4,551 65

Steamer Eva Belle:—
J. E. Roddick: Services as Pilot at 1.50 per day, 321.00;
P. L. Wing: Services as Engineer at 1.50 per day, 318.00;
W. C. Freuenburg: Lumber, etc., 18.78; R. H. Smart: Supplies, 15.27 673 05

Sailboat Maud:—
John Weeks: Services assisting overseer Pratt at 35.00 per month, 253.75;
Harold Weeks: do do 1.00 per day, 45.00;
C. A. Nettleton: Charts, 4.50; C. Beck Mfg. Co.: Supplies, 2.26;
G. H. Wright: Supplies, 26.22 .. 331 73

R. M. Oliver: Services assisting overseer Oliver at 1.50 per day .. 253 75
C. Lowe: Rent of boat, assisting overseer Oliver at .50 per day .. 90 00
Stocking Lakes:—
J. L. Helmer: Live bass, 459.90; A. J. Aker: Bass, 69.30; Services assisting W. Ellid, 7.05
J. E. McRae: Messenger service, 2.60; S. Draper: Travelling expenses, 2.45;
Magee Walton Ice Co: Ice for car, 2.50; American Tent & Awning Co.: Suppls., 1.05; 544 85
S. Lennox: Hire of launch for overseer Beecher.. 100 00
John Carley: Repairing gasoline launch, Lake Simcoe .. 5 00
W. McKirdy: Bldng. dock at Lake Helen, 16.00; H. A. E. Coo: Bdgs. for oversrs., 15.00 31 00
Catching pike Nepigon River: F. Ledgard, 31.50; M. Lavage, 76.50 108 00

MISCELLANEOUS.—*Continued.*

FISHERIES.—*Concluded.*

Warwick Bros. & Rutter: Printing, etc., 27.90; Ottawa Transfer Co.: Cartage, 1.20.. 29 10
Grand Trunk Ry.: Freight charges, .50; Canadian Express Co.: Cartage, 5.35..... 5 85
Advertising: Globe Printing Co., 135.00; Ottawa Free Press, 42.60..... 177 60

COMMITTEE OF HOUSE FOR ART PURPOSES ($2,185 00).

J. W. L. Forster: Portrait of Hon. John Sandfield Macdonald..... 500 00
do do Hon. G. W. Ross 500 00
do do Hon. Charles Clarke..... 150 00
do do Hon. Thos. Ballantyne..... 150 00
Mildred Peel: Portrait Hon. Mr. Balfour, 250.00; Hon. John Stevenson, 250.00..... 500 00
do Bust of Lieut. Governor, 125.00; Replica, Lieut. Governor, 50.00 ..... 175 00
W. Thompson: Painting by Martin—"Muskoka Scene"..... .... 175 00
Roberts & Son: Carbon—"The Laughing Cavalier"..... 35 00

UNITED EMPIRE LOYALISTS ($200 00).

N. M. Clarkson: Hon. Asst. Secretary, Legislative grant..... 200 00

FORESTRY ASSOCIATION ($300.00).

R. H. Campbell: Secretary, Legislative grant.... .... 300 00

GAME PROTECTION ($9,016.70).

J. H. Willmott.....Twelve months' salary as Warden.... .... 450 00
F. C. Quallins..... do 400 00
J. A Gill..... do 350 00
H. K. Smith.... .... do 600 00
Montague A. A. Smith: Honorarium as Chairman Board of Commissioners, 1903.... 100 00
Services as Deputy Warden:—
B. B. Miller, 225.00; W. G. Armstrong, 150.00; T. Nicholls, 100.00;
T. Maloney, 100.00; Alex. Commander, 214.00..... .... 789 00
Travelling expenses:—
E. Tinsley, 2.90; J. E. Thompson, 40.95; M. A. A. Smith, 10.00..... ..... 53 85
Travelling expenses and disbursements:—
F. C. Quallins, 380.80; H. K. Smith, 468.28; J. H. Willmott, 270.76;
S. McIlwain, 7.35; M. B. Wells, 24.85; N. McDougall, 10.70;
J. A. Gill, 19.95; W. G. Armstrong, 50.20; H. Graham, 44.00;
B. B. Miller, 21.10; W. Greer, 103.95; J. E. Rogers, 42.00..... .... 1,443 94

Enforcement of Act:—	Services.	Expenses.		Services.	Expenses.
J. A. Jenkins	3 00	.....	Wm. Harris, Jr.	22 50	18 90
J. H. Brown	16 00	6 65	H. C. Wright	22 50	.....
J. F. Russell	73 00	4 00	W. Kellen	37 50	.....
H. Hales	6 00	.....	N. Stromberg	50 00	.....
S. A. Huntington	18 00	28 10	J. Travers	67 50	.....
A. Murray	.....	5 10	J. Weir	51 25	.....
H. Graham	56 00	.....	P Munshaw	52 50	.....
G. Logan	30 00	10 00	F. W. Lyons	.....	31 60
J. Hazell	30 00	.....	C. R. Fitch	57 50	.....
R. Rush	55 50	6 90	T. Diamond	30 00	.....
Isaac Blondin	62 00	.....	R. H. Menzies	57 50	.....
E. T. Loveday.....	207 25	30 00	J. R. Gibson	116 00	17 75
A. Greer	7 50	1 50	J. Hines	45 00	.....
Jno. Falls	30 00	3 00	W. Unwin	30 00	.....
D. L. Brown	40 00	.....	H. H. Leavens	30 00	.....
Alex Bartlett	6 30	.....	J. D. Smith	52 50	.....
A. H. Clarke	15 00	.....	C F. Butler	55 00	.....
Wm. Myles	95 00	.....	T. H. Smith	65 00	.....
J. R. Boate	15 00	.....	D. Lawson	62 50	.....
J. H. Reece	5 00	.....	M. J. Cummings	50 00	.....
Walter Smith	30 00	.....	J. P. Labrash	55 00	.....
Jas. Sharpe	15 64	.....	F. W. Draycott	50 00	.....

MISCELLANEOUS.—*Continued.*

GAME PROTECTION—*Concluded.*

G. M. Armstrong	128 00		J. Coombs	60 00		
J. A. Dale	57 50	16 31	J. Wolsey		9 95	
J. H. Brickwood	46 00	5 00	A. E. Brammar	47 50		
Alex. Stewart	60 00		A. Rose	15 00		
F. Taylor	52 50		J. Welch	25 00		2,562 20

Reid Gasoline Engine Co.: Launch for use of deputy wardens Hogg & Graham..... 2 50

Legal services *re* prosecutions:—

T. E. Nelles, 5.00; W. H. McCulloch, 6.10; Wm. Fielding, 13.19..... 24 29

H. Taylor: Legal costs Hood vs. Taylor, 277.03..... 277 03

Services as Constable *re* prosecution:—

J. J. Crown, 16.71; A. Master, 7.20..... 23 91

Geo. Angus: Thirteen months' services propagation of game..... 102 33

Genei DeGuardiner: Quail, 16.30; Dr. A. E. Malloch: Quail, 54.10..... 70 40

W. B. Wells: To pay express, telegrams, etc., *re* quail..... 56 38

Bank of Hamilton: Expenses *re* purchase of Capercailzie..... 1,383 77

S. Herring: Express charges, etc., on moose, 5.50; G. H. Bellairs: Moose antlers, 25.00 30 50

W. Corbett: Crates for deer, 2.00; Toronto Cold Storage Co.: Storage of game, 4.05 6 05

Chatham *Daily News*: Printing circulars, 6.50; Subscriptions: *Forest and Stream*, 32.00; *Am. Field* Pubg. Co'y, 4.00..... 42 50

Advertising:—

Wyoming *Enterprise*, 9.00; *Globe* Printing Co., 135.00; Ottawa *Free Press*, 42.60.... 186 60

H. B. Donley, 3.00; Glencoe *Transcript*, 3.00; Merlin *Mirror*, 4.00..... 10 00

Comber *Herald*, 1.50; St. Catharines *Star* P'l't'g Co'y, 4.80..... 6 30

Canadian Express: Charges, 16.65; Dom'n Express: Charges, 12.20..... 28 85

Bell Telephone Co'y: Messages, etc., 2.60; Ottawa Cartage Co.: Cartage, etc., 7.70 10 30

STATUTE LATE SIR OLIVER MOWAT ($2,500.00).

W. S. Allward: On account..... 2,500 00

ARMY AND NAVY VETERANS ($200.00).

H. P. Drayton, secretary Monument Committee: Grant..... 200 00

SOUTH AFRICAN VETERANS ($2,500.00).

Sidney H. Jones, sec'y South African Memorial Ass'n: On account grant..... 2,500 00

R.M.C. RIFLE ASSOCIATION ($100.00).

Col. Reade, Commandant: Grant..... 100 00

INSURANCE ($3,207.34).

Sundry Insurance Companies:—

Premium on policies:	Eastern Dairy School, Kingston.....	75 00
do	Osgoode Hall.....	1,260 90
do	Dairy Buildings and contents, Guelph.....	131 44
do	Farm Buildings, Guelph.....	150 00
do	Macdonald Buildings, Guelph.....	725 00
do	Macdonald Institute, furniture.....	15 00
do	School Practical Science.....	850 00

CANADIAN MINING INSTITUTE ($300.00).

Canadian Mining Institute: Grant..... 300 00

RAILWAY COMMISSION ($2,655.68).

Judge Bell: On account services as Commissioner..... 500 00

Travelling expenses and disbursements:—

Prof. Adam Shortt, 139.00; Judge Bell, 70.00; H. J. Pettypiece, 215.00; A. E. Semple, 125.00..... 549 00

W. B. Wilkinson, Sec'y: To pay travelling expenses and disbursements of self and Committee..... 1,551 00

MISCELLANEOUS.—*Continued.*

RAILWAY COMMISSION.—*Concluded.*

Hyslop Bros., use of auto., commission inspecting Tp. Etobioke *re* Toronto and Mimico application	3 00
Rolph & Clark, embossing and steel die, 15.25; L. K. Cameron, stationery, 26.95	42 20
Warwick Bros. & Rutter, binding, 2.00; G. N. W. Telegraph Co., telegrams, .28	2 28
Can. Express Co., charges, 3.15; C. P. R. Telegraph Co.: telegrams, 5.05	8 20

GOOD ROADS ($91,527 54).

1 Edw. VII. Cap. 32).

Treasurer:	County Lanark, account	grant, sec. 8	Highway Act	14,328 15
do	Simcoe	do	do	26,023 65
do	Wentworth	do	do	24,155 64
do	Oxford	do	do	17,678 27
do	Hastings	do	do	5,601 02
do	Wellington	do	do	3,740 81

PURCHASE TRINITY MEDICAL SCHOOL BUILDING ($12,022 95).

Uzziel Ogden, M.D.: Purchase money	7,381 00
Canada Life Assurance Co.: Purchase money	4,619 00
Fred. J. Stewart: Sign boards, etc. 6.00; J. B. Baker: Boarding up windows, 14.80	20 80
J. L. Capreol: To pay registration fees, mortgage, etc	2 15

FIRE LOSS ($7,928 84).

Parliament Buildings:—	
Honorarium *re* fire: S. Dunbar, 50.00; E. R. Lucas, 50.00	100 00
John Jones: Services, 25.00; Toronto Fire Brigade: Allowance *re* fire, 200.00	225 00
J. J. O'Hearn: Painting and varnishing, 88.00; J. W. Kennedy: Plastering, 126.98	214 98
Shipway Iron & Bell Works: Repairing iron column	3 00
Canada Foundry Co.: Panel for base of column	30 00
J. G. Gibson Marble & Granite Co.: Slate tread	20 00
J. B. Smith & Son, lumber and carpentering, 467.02; Repairing dado, 20.00	487 02
G. W. Franks: Articles destroyed, 5.00; Maud J. Foster: Articles destroyed, 6.10	11 10
H. M. Kipp: Instmnts. dstryd., telegraph office, 31.00; T. McClutchen: Clng., 28.00	59 00
Warwick Bros. & Rutter Fire:—	
Buntin, Reid & Co.: Paper, 655.69; Riordan Paper Mills: Paper, 2,467.05	3,122 74
Davis & Henderson: Paper, 10.50; L. K. Cameron: Paper, 71.25; Stationary, 14.75	96 48
Warwick Bros. & Rutter: Reports of miscellaneous printing destroyed while under way, 3,182.18; Printing and binding, 150.85	3,333 03
Barber & Ellis Co.: Envelopes, 25.00; Hart & Riddell: engraving die, 12.50	37 50
Rolph Clark Co.: engraving die, 15.00; Grip Limited, half tones, 65.13	80 13
Thomson Engraving Co.: Plates, engraving, etc., 77.07; Toronto Engraving Co.: zinc plates, etc., 24.04	101 11
Littlejohn & Vaughan: zinc plates, etc.	7 75

INCIDENTALS ($4,433.36).

Premiums on Fidelity Bonds:—	
Dominion of Canada Guarantee and Accident Co.: 420.19; Medland & Jones: 378.78; London Guarantee & Accident Co.: 1,263.94; Employers' Liability Ins. Co.: 991.50	3,054 41
R. T. Massey: Fidelity bond, late Jas. Massey, registrar	12 00
Sundry persons: overpayment fidelity bonds	8 25
Mrs. M. T. Mooney: unexpired premium late W. Tracy, bursar	7 95
Sundry Insurance Companies:—	
Premium or policy: Central Prison, Toronto	609 65
do do Macdonald Institute	884 00
Secretary Eastern Good Roads Association, grant	200 00

MISCELLANEOUS.—*Concluded.*

INCIDENTALS.—*Concluded.*

Lake Tamagamie Survey:—	
D. O'Connor: charter of steamer, 67.50; wages of guides and men, 20 80; Doheny & Donovan: services of men re dam, 22.50; dynamite, 38.00; use of tools, 6.05; J. E. Rogers: travelling expenses *re* dam, 157.65; Wm. Teig: delivering message *re* dam, 20.00; A. E. Trowse: to pay labor, 4.00; T. Petrant: labor, 16.00; W. Petrant: labor, 4.00; J. Methias: provisions and meals, 5.80; J. Turner: board of men, 34.65; provisions, 3.70; R. P. Fairbairn: travelling expenses, 43.00	
J. B. Smith & Sons: lumber *re* Homecomers	40 76
Engraving railway certificates: Rolph Smith & Co.: 33.00; Rolph Clark Co.: 37.50	70 50
Exportation Natural Gas:—	
Watson Smoke & Smith: legal services, 314.72; Pennington & Brian, svs. and expenses of plumber, 22.50	337 22
Eby Blain & Co.: interest on purchase money, holder for gas plant Kingston L. A.	152 00
Imperial Bank of Canada: commission on retiring annuities	17 50
A. G. Browning: legal services, investigation *re* License Commissoners, Nipissing	168 86
Richard Reynolds: claim for publishing list of unclaimed letters	258 37
Sundry persons: sundry expenses *re* postponed dinner to Lord Minto	25 45
Miller & Richard: addition to government stock of type R.S.O.	91 80
J. R. Forsyth: postage, car fares, etc., Niagara Falls Park Commission	3 71
	6,386 07
Less refunds: Fidelity Bonds	1,952 71
	4,433 36
Total miscellaneous	242,557 66

RAILWAY SUBSIDY FUND.

($118.337.46).

(Authority for payment, 52 Vict., chap. 35, and 53 Vict., chap. 46.)

Port Arthur, Duluth and Western Railway	On account of grants in aid of line from Port Arthur to Western Provincial Boundary, 85.54 miles.		
	Payment due 1st January, 1904	5,596 80	
	do 1st July, 1904	5,596 80	
			11,193 60

(Authority for payment, 53 Vict. chap. 46, 56 Vict. chap. 34, 57 Vict. chap. 49, 58 Vict. chap. 36, 52 Vict. chap. 35, 59 Vict. chap. 48 and 60 Vict chap. 40.)

Ottawa, Arnprior and Parry Sound Railway	On account of grants in aid of line from Eganville to Scotia, 146.1 miles and 3.33 miles at Depot Bay.		
	Payment due 1st January, 1904	10,221 15	
	do 1st July, 1904	10,221 15	
			20,442 30

(Authority for payment, 52 Vict. chap. 35, and 53 Vict. chap. 46.)

Parry Sound Colonization Railway	On account of grants in aid of line from Scotia to Depot Bay, 47.75 miles.		
	Payment due 1st January, 1904	3,340 59	
	do 1st July, 1904	3,340 59	
			6,681 18

RAILWAY SUBSIDY FUND.—*Continued.*

(Authority for payment, 52 Vict. chap. 35, and 56 Vict. Chap. 34.)

Irondale, Bancroft and Ottawa Railway	On account of grants in aid of line from Irondale easterly, 35 miles.		
	Payment due 1st January, 1904..	3,132 12	
	do 1st July, 1904	3,132 12	
			6,264 24

(Authority for payment, 58 Vict. chap. 36, and (56 Vict. Chap. 34.)

Tillsonburg, Lake Erie and Pacific Railway ..	On account of grants in aid of the line from Tillsonburg to Port Burwell, 15.846 miles, and connecting Grand Trunk and Michigan Central Railways at Tillsonburg, 3.262 miles—19.108 miles		
	Payment due 1st January, 1904..	891 19	
	do 1st July, 1904	891 19	
			1,782 38
R. V. Whelan, 500.00			29,518 94

(Authority for payment, 59 Vict. chap. 48.)

Ontario, Belmont and Northern Railway .. .	On account of grant in aid of line extending from Junction with Central Ontario Railway, 9.57 miles.		
	Payment due 1st January, 1904	446 57	
	do 1st July, 1904	446 57	
			893 14

(Authority for payment, 60 Vict. chap. 40.)

Montreal and Ottawa Railway	On account of grant in aid of line from the Boundary line between the Provinces of Ontario and Quebec, extending westerly 50 miles.		
	Payment due 1st January, 1904	25,017 70	
	do 1st July, 1904	2,332 00	
			4,664 00

(Authority for payment, 50 Vict. chap. 48, and 61 Vict. chap. 22.)

Pembroke Southern Ry .	On account of grants in aid of line from Golden Lake, northerly 18½ miles.		
	Payment due 1st January, 1904	1,294 26	
	do 1st July, 1904	1,294 26	
			2,588 52

(Authority for payment, 57 Vict. chap. 49, 58 Vict. chap. 36, 62 Vict. chap. 23.)

Ontario and Rainy River Railway	On account of grants in aid of line extending westerly from the junction with the Port Arthur, Duluth and Western Railway, 40.32 miles.		
	Payment due 1st January, 1904	25,017 70	
	do 1st July, 1904	25,017 70	
			50,035 40

(Authority for payment, 62 Vict. chap. 23.)

Central Ontario Ry	On account of grant in aid of line from Village of Ormsby, 21 miles.		
	Payment due 1st January, 1904	1,469 18	
	do 1st July, 1904	1,469 18	
			2,938 36

RAILWAY SUBSIDY FUND.—*Concluded.*

(Authority for payment, 61 Vict. chap. 22.)

Ottawa & New York Railway Co.	International Railway Bridge.			
	Payment due 1st January, 1904		816 22	
	do 1st July, 1904		816 22	
				1,632 44

(Authority for payment, 63 Vict. chap 29.)

Dominion Bridge Co.	Interprovincial Bridge.			
	Payment due 1st January, 1904		1,166 05	
	do 1st July, 1904		1,166 05	
				2,332 10

(Authority for payment, 1 and 2 Edw. VII. c. 22 and 25.)

Bruce Mines and Algoma Railway	Payment due January 1st, 1904		1,144 57	
	do July 1st, 1904		1,144 57	
	Cash payment		1,920 00	
				4,209 14

(Authority for payment, 2 Edw. VII. c. 25.)

James Bay Railway	Payment due January, 1904		345 15	
do	do July 1st, 1904		345 15	
				690 30

(Authority for payment, 2 Edw. VII. c. 25.)

Bay of Quinte Railway	Payment due July 1st, 1904		1,990 36

ANNUITIES ($102,900.00).

Treasurer, Ontario	To pay annuity certificate due June 30th, 1904		$51,450 00	
do	do due December 31st, 1904		51,450 00	
				102,900 00

COMMON SCHOOL FUND ($78,740.76)

Dominion Government, amount accountable by Ontario *re* Common School lands during year ended December, 1903	7,944 99
Dominion Government, collections from Common School lands, by Ontario, 1898-9	70,795 77

DRAINAGE DEBENTURES, MUNICIPAL ($13,238.53).

Treasurer Township Dunwick: Debentures issued by the municipality for the construction of drainage works	3,481 42
Treasurer Township Douro: Debentures issued by the municipality for the construction of drainage works	3,377 85
Treasurer Township Keppel: Debentures issued by the municipality for the construction of drainage works	2,276 00
Treasurer Township Zorra W.: Debentures issued by the municipality for the construction of drainage works	2,653 31
Treasurer Township Zorra E.: Debentures issued by the municipality for the construction of drainage works	1,549 95

TILE DRAINAGE ($900.00).

Treasurer Township Camden: Debentures issued by municipality for the construction of tile drainage works	300 00
Treasurer Township Dawn: Debentures issued by municipality for the construction of tile drainage works	500 00
Treasurer Township Ekfrid: Debentures issued by municipality for the construction of tile drainage works	100 00

STATIONERY OFFICE.

Excess of purchases over distribution	26 93
Total expenditure	$5,267,453 02

C. H. SPROULE,
Provincial Auditor.

Provincial Auditor's Office,
Toronto, March 9th, 1905.

No. 18.—STATEMENT OF EXPENDITURE by the Treasurer of Ontario, shewing the amount unexpended, overexpended and overdrafts of appropriations for the twelve months ended December 31st, 1904.

SERVICE.	SUB-SERVICE.	Appropriation.	Expended.	Unexpended	Overexpended.	Overdrafts of Appropriation.
		$ c.	$ c.	$ c.	$ c.	
Civil Government	Lieutenant-Governor's office—salaries	2,140 00	2,170 00		30 00	
	do —expenses	1,500 00	1,500 00			
	Attorney-General's office—salaries	16,010 00	16,010 00			
	do —expenses	2,400 00	1,940 93	459 07		
	Education Department—salaries	19,700 00	18,987 00	713 00		
	do —expenses	2,400 00	2,977 12		577 12	
	Crown Lands Department—salaries	45,575 00	45,347 95	227 05		
	do —expenses	18,000 00	16,927 39	1,072 61		
	Bureau of Mines—salaries	4,700 00	4,700 00			
	do —expenses	2,900 00	2,832 40	67 60		
	Colonization and Forestry—salaries	4,675 00	5,441 66		766 66	
	do —expenses	1,600 00	1,980 17		380 17	
	Public Works Department—salaries	24,650 00	24,067 00	583 00		
	do —expenses	6,900 00	7,625 49		725 49	
	Fisheries—salaries	6,300 00	6,300 00			
	do —expenses	1,500 00	1,563 21		63 21	292 87
	Game Protection—salaries	2,250 00	2,250 00			
	do expenses	600 00	498 47	101 53		
	Labor Bureau—salaries	2,050 00	2,050 00			
	do —expenses	1,050 00	1,238 70		188 70	
	Treasury Department—salaries	22,750 00	23,033 88		283 88	
	do —expenses	4,100 00	3,609 18	490 82		134 78
	Provincial Auditor's Office—salaries	9,200 00	9,200 00			
	do —expenses	700 00	1,041 72		341 72	
	Provincial Secretary's Department—salaries	18,480 00	18,795 00		315 00	
	do —expenses	4,750 00	4,155 10	594 90		
	Inspection of Public Institutions—salaries	15,450 00	15,383 34	66 66		
	do —expenses	3,700 00	3,428 89	271 11		82 35
	Audit of License and Justice Accounts—salaries	9,750 00	9,116 20	633 80		
	do —expenses	700 00	1,416 15		716 15	
	Registrar-General's Branch—salaries	10,700 00	10,707 66		7 66	
	do —expenses	4,400 00	3,936 37	463 63		
	Provincial Board of Health—salaries	6,200 00	4,987 21	1,212 79		
	do —expenses	7,200 00	7,062 74	137 26		
	Department of Agriculture—salaries	21,000 00	21,058 28		58 28	
	do —expenses	1,400 00	1,307 56	92 44		1,284 38
	Factory Inspection—salaries	4,850 00	5,700 00		850 00	
	do —expenses	3,000 00	3,468 54		468 54	

	Insurance Branch—salaries	6,550 00	6,550 00			
	do expenses	2,600 00	2,553 17	46 83		
	Neglected Children's Branch—salaries	3,550 00	4,300 00		750 00	
	do —expenses	3,350 00	2,439 36	910 64		
	Miscellaneous :—					
	Official Gazette	5,000 00	3,088 22	1,911 78		
	King's Printer.....salaries	4,350 00	4,350 00			
	do .....expenses	100 00	242 54		142 54	
	Inspector of Registry Officers	2,250 00	2,250 00			
	Municipal Auditor	2,700 00	3,217 68		517 68	
	Special Clerk, &c	1,200 00	1,200 00			
	Total Civil Government	346,880 00	344,006 28	10,056 52	7,182 80	
Legislation	Salaries	20,350 00	20,233 33	116 67		
	Sessional Writers, Clerks of Committees &c.	11,200 00	12,700 90		1,500 90	
	Postage and cost of House Post Office	1,800 00	2,312 00		512 00	
	Stationery, ptg. and bdg. and distribut'g Statutes.	42,000 00	50,334 59		8,334 59	
	Library	3,000 00	3,587 60		587 60	
	Idemnity to Members	103,000 00	100,920 00	2,080 00		
	Expenses	8,000 00	9,922 72		1,922 72	
	Total Legislation	189,350 00	200,011 14	2,196 67	12,857 81	10,661 14
Administration of Justice	Supreme Court	35,825 00	37,024 43		1,199 43	
	Appeal Court	3,500 00	3,788 38		288 38	
	High Court	3,000 00	2,782 09	217 91		
	Central Office	17,318 00	13,955 19	3,362 81		
	Registrar's Office	9,200 00	9,954 84		754 84	
	Weekly Court	1,900 00	1,709 70	190 30		
	Surrogate Court	3,275 00	3,434 71		159 71	
	Surrogate Judges and Local Masters	29,301 00	28,516 72	784 28		
	Inspection of Division Courts	5,650 00	6,079 07		429 07	
	Deputy Clerks of the Crown	17,550 00	16,650 00	900 00		
	Deputy Clerks of the Crown as Local Registrars.	6,875 00	6,821 05	53 95		
	Land Titles Office	6,450 00	5,858 08	591 92		
	Local Masters of Titles	5,548 29	4,745 68	802 61		
	Drainage Trials Act	5,000 00	5,227 60		227 60	
	District Algoma	21,100 00	22,240 71		1,140 71	
	do Thunder Bay	14,350 00	15,158 48		808 48	
	do Rainy River	13,800 00	14,196 90		396 90	
	do Nipissing	17,900 00	21,241 54		3,341 54	
	do Muskoka	8,950 00	7,538 89	1,411 11		
	do Parry Sound	9,050 00	12,216 18		3,166 18	
	Provisional County of Haliburton	1,650 00	1,450 00	200 00		

No. 18.—Statement of Expenditure by the Treasurer of Ontario, etc.—*Continued.*

SERVICE.	SUB-SERVICE.	Appropriation.	Expended.	Unexpended	Over-expended.	Overdrafts of Appropriations.
		$ c.	$ c.	$ c.	$ c.	
Administration of Justice	District of Manitoulin	6,800 00	6,816 83		16 83	
	Provincial Police	11,500 00	11,252 06	247 94		
	Crown Counsel Prosecutions	8,000 00	6,345 75	1,654 25		
	Administration of Criminal Justice	170,000 00	172,097 76		2,097 76	
	Inspection of Legal Offices	3,900 00	3,869 33	30 67		
	Criminal Investigations	4,655 00	5,405 00		750 00	
	Special Services	2,000 00	550 00	1,450 00		
	Sheriffs' Fees	7,725 00	10,989 92		3,264 92	
	Seals and other Contingencies	300 00	151 12	148 88		
	Constitutional Questions	5,000 00	1,200 91	3,799 09		
	Grouped Counties	1,200 00	827 10	372 90		
	Ditches and Watercourses Act	500 00		500 00		
	Shorthand Reporters	11,300 00	11,300 00			
	Circuit and County Judges' Library	1,200 00	1,200 00			
	Weekly Court, London and Ottawa	100 00		100 00		
	Osgoode Hall, Maintenance	11,750 00	9,864 65	1,885 35		
	Total Administration of Justice	483,122 29	482,460 67	18,703 97	18,042 35	
Education	Public and Separate Schools	243,033 44	242,802 69	230 75		
	Poor and District do	60,000 00	62,460 38		2,460 38	
	Kindergarten do	3,250 00	3,018 64	231 36		
	Night Schools	250 00	171 00	79 00		
	Instruction in Agric'ture in grouped Rural Schools	2,000 00	364 55	1,635 45		
	Continuation Classes	20,000 00	18,367 47	1,632 53		
	Model Schools	10,000 00	10,299 81		299 81	
	French-English Training Schools	800 00	800 00			
	Teachers' Associations	3,000 00	2,664 45	335 55		
	Inspection of Schools	64,750 00	69,595 94		4,845 94	
	Departmental Examinations	29,450 00	28,618 26	831 74		
	Normal and Model Schools, Toronto, salaries	25,595 00	25,752 64		157 64	
	do do expenses	2,950 00	3,018 50		68 50	
	do Ottawa, salaries	22,110 00	22,001 82	108 18		
	do do expenses	2,950 00	2,631 45	318 55		
	do do maintenance	7,700 00	6,650 90	1,049 10		
	do London, salaries	8,500 00	8,500 00			

	do do expenses	3,600 00	3,094 78	505 22		
	do do maintenance	3,700 00	2,554 87	1,145 13		
	High Schools and Collegiate Institutes	116,800 00	115,719 40	1,080 60		
	Ontario Normal College	13,200 00	12,577 90	622 10		
	Departmental Library and Museum, salaries	4,300 00	4,457 00		157 00	8 13
	do expenses	5,650 00	5,501 13	148 87		
	School Practical Science, salaries	34,660 00	32,255 94	2,404 06		
	do expenses	6,000 00	6,042 04		42 04	
	do maintenance	6,175 00	6,321 31		146 31	
	Public Libraries	57,050 00	35,268 42	21,781 58		
	Art Schools, Examinations, etc	3,600 00	3,355 96	244 04		
	Literary and Scientific	3,600 00	3,600 00			
	Historical Societies	1,800 00	1,700 00	100 00		
	Technical Education	25,000 00	19,527 16	5,472 84		
	Provincial University and Mining Schools	133,880 98	111,422 86	22,458 12		
	Maintenance Education Department	8,650 00	9,512 13		862 13	862 13
	Miscellaneous	4,837 81	4,917 63		79 82	79 82
	Superannuated Teachers	63,300 00	64,259 75		959 75	959 75
	Total Education	1,002,142 23	949,806 78	62,414 77	10,079 32	
Public Institutions Maintenance	Asylum for Insane, Toronto	112,987 00	112,700 85	286 15		
	do London	141,104 00	137,785 18	3,318 82		
	do Kingston	88,361 00	88,357 89	3 11		
	do Hamilton	131,018 00	131,195 05		† 177 05	
	do Mimico	79,806 00	83,156 79		3,350 79	3,350 79
	do Brockville	88,571 00	93,953 83		5,382 83	5,382 83
	Asylum for Females, Cobourg	27,211 00	23,572 74	3,638 26		
	do Idiots, Orillia	77,432 00	72,927 40	4,504 60		
	Central Prison, Toronto	66,000 00	64,496 47	1,503 53		
	Reformatory for Boys / Asylum for Insane, Penetang	38,250 00	11,164 84 / 17,050 24	10,034 92		
	Deaf and Dumb Institution	50,609 00	50,085 40	523 60		
	Blind Institution	34,624 00	32,537 92	2,086 08		
	Mercer Reformatory	31,475 00	31,449 44	25 56		
	Relieving Officer	1,000 00		1,000 00		
	Total Public Institutions Maintenance	968,448 00	950,434 04	26,924 63	8,910 67	
Colonization and Immigration	Colonization	14,500 00	7,234 31	7,265 69		
	Immigration	4,825 00	12,655 63		7,830 63	
		19,325 00	19,889 94	7,265 69	7,830 63	564 94

† See Vote 1,000.00 Relieving Officer.

No. 18.—Statement of Expenditure by the Treasurer of Ontario, etc.—*Continued.*

SERVICE.	SUB-SERVICE.	Appropriation.	Expended.	Unexpended	Overexpended.	Overdrafts of appropriations.
Agriculture	District Societies	79,110 00	76,071 34	3,038 66		
	Grants to Associations	42,900 00	30,333 85	12,566 15		
	Farmers' Institutes	16,500 00	17,190 34		690 34	
	Incidentals	39,200 00	58,752 33		19,552 33	
	Sugar Beet Industry		71,715 99		* 71,715 99	
	San Jose Scale	8,000 00	3,690 86	4,309 14		
	Experimental Fruit Stations and Institutes	4,100 00	4,281 23		181 23	
	Eastern Dairy School	12,250 00	12,802 35		552 35	
	Pioneer Dairy Farm	2,000 00	2,081 81		81 81	
	Western Dairy School	3,400 00	3,442 98		42 98	
	Bureau of Industries	5,985 00	2,804 49	3,180 51		
	Cold Storage	2,500 00	450 00	2,050 00		
	Ontario Agricultural College and Maintenance	86,577 00	84,486 34	2,090 66		
	Experimental Farm and Feeding	17,233 00	17,342 55		109 55	
	Field Experiments	9,695 00	9,419 54	275 46		
	Experimental Dairy	13,725 00	14,310 74		585 74	
	Central Dairy School	10,124 00	10,398 26		274 26	
	Poultry Department	2,410 00	2,403 04	6 96		
	Horticultural Department	6,747 00	6,777 33		30 33	
	Mechanical Department	900 00	901 05		1 05	
	Macdonald Institute and Hall	12,000 00	16,824 80		4,824 80	
	Total Agriculture. *1 Edw. VII. Cap. 44, s. 11	375,356 00	446,481 22	27,517 54	98,642 76	
Hospitals and Charities	Grants	237,576 81	228,024 37	9,552 44		
	Children's Aid Societies	2,000 00	3,994 78		1,994 78	
	Sanitary Investigations	10,600 00	4,573 60	6,026 40		
	Total Hospitals and Charities	250,176 81	236,592 75	15,578 84	1,994 78	
Repairs and Maintenance	Government House	16,300 00	15,039 99	1,260 01		
	Parliament Buildings	47,120 00	49,953 72		2,833 72	
	Attorney-General's Department	700 00	617 88	82 12		
	Crown Lands Department	5,200 00	3,469 36	1,730 64		
	Public Works Department	700 00	678 42	21 58		
	Treasury Department	700 00	437 26	262 74		
	Provincial Secretary's Department	1,125 00	764 32	360 68		

	Department of Agriculture	700 00	875 93		175 93	
	Total Repairs and Maintenance	72,545 00	71,836 88	3,717 77	3,009 65	
Public Buildings	Parliament Buildings	4,600 00	2,475 05	2,124 95		
	Asylum for Insane, Toronto	5,750 00	2,510 53	3,239 47		
	do do Inspector	4,675 00	5,064 27		389 27	
	do Mimico	3,750 00	2,186 02	1,563 98		
	do do Inspector	1,800 00	3,103 39		1,303 39	
	do London	20,400 00	19,632 18	767 82		
	do do Inspector	11,305 00	2,610 20	8,694 80		
	do Hamilton	12,350 00	4,799 19	7,550 81		
	do do Inspector	10,200 00	5,107 31	5,092 69		
	do Kingston	8,875 00	10,464 34		1,589 31	1,317 16
	do do Inspector	2,615 00	2,342 82	272 18		
	do Brockville	6,320 00	5,351 10	968 90		
	do do Inspector	2,715 00	2,547 87	167 13		
	do Cobourg	10,700 00	4,750 00	5,950 00		
	do do Inspector	200 00		200 00		
	do Idiots, Orillia	15,550 00	7,098 02	8,451 98		
	do do do Inspector	5,400 00	4,112 45	1,287 55		
	Central Prison, Toronto	10,250 00	6,905 91	3,344 09		
	Hospital for Epileptics, Oxford	62,500 00	50,805 37	11,694 63		
	Reformatory for Females, Toronto	1,200 00	1,259 73		59 73	7 81
	do do Inspector	7,090 00	7,038 08	51 92		
	Deaf and Dumb Institution, Belleville	4,450 00	4,992 39		542 39	
	do do Inspector	2,775 00	1,977 53	797 47		
	Blind Institution, Brantford	2,710 00	3,346 94		636 94	
	do do Inspector	2,300 00	1,559 94	740 06		
	Penetang Asylum	18,650 00	40,725 14		22,075 14	22,075 14
	Normal and Model Schools, Toronto	15,825 00	12,272 15	3,552 85		
	do Ottawa	4,470 00	3,782 74	687 26		
	do London	300 00	90 00	210 00		
	School of Practical Science, Toronto	144,100 00	144,466 20		366 20	366 20
	Agricultural College and Farm, Guelph	31,697 00	31,959 46		262 46	262 46
	Children's Shelter, Toronto	7,000 00	7,012 35		12 35	12 35
	Eastern Dairy School, Kingston	9,000 00	8,910 94	89 06		
	District of Algoma	7,106 00	6,354 92	751 08		
	do Thunder Bay	4,200 00	2,281 69	1,918 31		
	do Muskoka	1,900 00	582 85	1,317 15		
	do Parry Sound	1,100 00	246 21	853 79		
	do Nipissing	3,800 00	2,812 31	987 69		
	do Rainy River	4,100 00	2,295 45	1,804 55		
	Total Public Buildings	473,728 00	425,833 04	75,132 17	27,237 21	

No. 18.—Statement of Expenditure by the Treasurer of Ontario, etc.—*Continued.*

SERVICE.	SUB-SERVICE.	Appropriation.	Expended.	Unexpended	Over-expended.	Overdrafts of appropriation.
		$ c.	$ c.	$ c.	$ c.	
Public Works	Bridge West Arm Lake Nipissing	3,800 00	3,651 34	148 66		
	Bridge Wabis River	2,800 00	2,773 33	26 67		
	Bridge Sunday Creek	1,200 00	603 00	597 00		
	Bridge La Blanche River	2,000 00	2,929 87		929 87	
	Bridge Combermere	2,000 00	1,254 50	745 50		
	Bridge Lake of the Woods	16,000 00	15,884 78	115 22		
	Swing Bridge Ryerson	1,900 00	1,895 06	4 94		
	Stanley Bridge North portion	4,500 00	4,860 57		360 57	
	Bridge Blind River	900 00	940 05		40 05	
	Severn Bridge	2,500 00	2,500 00			
	Sequin River Bridge	3,600 00	3,754 00		154 00	
	Bridges, Rainy River Road	2,500 00	2,361 01	138 99		
	Muskoka Lakes Works	2,500 00	2,438 60	61 40		
	Burk's Falls Dock Dredging	2,000 00	1,822 99	177 01		
	Dredging at Bracebridge	300 00		300 00		
	Bridge Wa Wa Road	1,000 00	1,198 39		198 39	
	Obstructions North River	600 00	659 14		59 14	
	Black Bridge Muskoka River	1,500 00	1,500 00			
	Bridge Nogey's Creek	500 00	481 85	18 15		
	Indian River Deepening	1,600 00	1,421 16	178 84		
	Bridge Jean Baptiste	900 00	98 31	801 69		
	Bridge Round Lake Road	1,200 00	19 00	1,181 00		
	Bridge Baysville	2,000 00	2,047 50		47 50	
	Bridge Calabogie	800 00	800 00			
	Bridge Echo River	1,200 00	1,332 11		132 11	
	Cassimir Creek Improvements		30 56		30 56	
	Bridge Wasdale	1,000 00	1,000 00			
	Bridge Wahnapitae River	3,500 00	4,642 49		1,142 49	
	Black River Bridge (Balce 1903)		9 48		9 48	
	Outlet Drains	4,210 00	1,300 00	2,910 00		
	Drainage	41,440 00	19,763 23	21,676 77		
	Delta Creek Improvement	100 00	99 24	76		
	Magnetawan River Dam	500 00	569 43		69 43	
	Obstructions Ah Mic Lake	400 00	214 07	185 93		
	Rainy River Dock		75 00		75 00	
	Surveys, Inspections, etc.	1,000 00	1,804 40		804 40	

	Locknaster's Salaries	5,700 00	5,251 16	448 84		
	Maintenmnce Locks, Dams, etc	11,000 00	10,296 72	703 28		
	Total Public Works	128,650 00	102,282 34	30,420 65	4,052 99	
Colonization and Mining Roads		169,650 00	175,620 74		5,970 74	5,970 74
Charges Crown Lands	Board of Surveyors	200 00	200 00			
	Agents' Salaries, etc	26,000 00	35,486 90		9,486 90	
	Balance of fees *re* Sale of Timber Berths	4,218 34	4,879 59		661 25	
	Forest Ranging	28,000 00	33,341 00		5,341 00	
	Forest Reserve	21,000 00	10,249 66	10,750 34		
	Fire Ranging	45,000 00	42,989 48	2,010 52		
	Culler's Act	200 00	68 17	131 83		
	Export Saw Logs and Pulp Wood	2,000 00		2,000 00		
	Quebec Agency	2,075 00	2,143 87		68 87	
	Ottawa Agency	2,800 00	2,737 10	62 90		
	Surveys	114,550 00	101,299 50	13,250 50		
	Rat Portage Office	1,200 00	180 00	1,020 00		
	Inspections, Explorations, &c	14,400 00	14,263 45	136 55		
	Summer Mining Schools	1,200 00	1,316 57		116 57	
	Mineral Collections	500 00		500 00		
	Diamond Drills	6,000 00	2,513 22	3,486 78		
	Iron Mining Act, R.S.O. '97—Chap 36		25,000 00		* 25,000 00	
	Algonquin Park	7,800 00	7,916 08		116 08	
	Rondeau Park	3,300 00	2,260 10	1,039 90		
	Total Charges Crown Lands	280,443 34	286,844 69	34,389 32	40,790 67	
Refunds	Education	1,000 00	1,306 48		306 48	306 48
	Crown Lands	18,500 00	14,601 89	3,898 11		
	Municipalities Fund	243 32	121 66	121 66		
	Land Improvement Fund	2,311 58	2,311 58			
	Miscellaneous		309 56		309 56	309 56
	Total Refunds	22,054 90	18,651 17	4,019 77	616 04	
Miscellaneous	Charges on Revenue	9,600 00	15,822 19		6,222 19	
	Expenses of Election Trials	10,000 00	8,302 06	1,697 94		
	Ontario Rifle Association	1,000 00	1,000 00			
	Ontario Artillery Association	500 00	500 00			
	Canadian Military Institute	100 00	100 00			
	York Pioneers	200 00	200 00			
	Manhood Suffrage Registration	1,000 00	13 80	986 20		
	Voter's List	2,500 00	12,788 82		10,288 82	

No. 18.—Statement of Expenditure by the Treasurer of Ontario, etc.—*Continued.*

SERVICE.	SUB-SERVICE.	Appropriation.	Expended.	Unexpended	Over-expended.	Overdrafts of appropriation.
		$ c.	$ c.	$ c.	$ c.	
Miscellaneous	Gratuities	19,950 00	19,709 70	240 30		
	Telephone Services	4,000 00	4,532 51		532 51	
	Removal of Patients	7,000 00	6,617 40	382 60		
	Arbitration, Canada and Quebec	5,000 00	3,566 81	1,433 19		
	Destruction of Wolves	2,000 00	3,839 00		1,839 00	
	Fisheries	26,500 00	26,487 96	12 04		
	Committee of House, for Art Purposes	1,400 00	2,185 00		785 00	
	United Empire Loyalists	200 00	200 00			
	Forestry Association	300 00	300 00			
	Game Protection Act	7,400 00	9,016 70		1,616 70	
	Statute late Sir Oliver Mowat	5,000 00	2,500 00	2,500 00		
	Insurance, School of Science and Osgoode Hall	2,800 00	3,207 34		407 34	
	Memorial, South African Veterans	5,000 00	2,500 00	2,500 00		
	Army and Navy Veterans	200 00	200 00			
	R. M. C. Rifle Association	100 00	100 00			
	Canadian Mining Institute	300 00	300 00			
	Railway Commission	3,000 00	2,655 68	344 32		
	Fire Loss	6,200 00	7,928 84		1,728 84	
	Good Roads, 1 Edw. VII, Cap 32		91,527 54		† 91,527 54	
	Trinity Medical Building	12,000 00	12,022 95		22 95	
	Incidentals	50,000 00	4,433 36	45,566 64		
	Total Miscellaneous	183,250 00	242,557 66	55,663 23	114,970 89	
	Total Supply Bill	4,965,121 57	4,953,309 34	374,001 54	362,189 31	
	Railway Subsidy Fund		118,337 46			
	Annuities		102,900 00			
	Common School Fund		78,740 76			
	Drainage Debentures, Municipal		13,238 53			
	do Tile		900 00			
	Stationery Purchased 20,760 72					
	do Distributed 20,733 79		26 93			
	Grand totals Expenditure and Overdrafts		5,267,453 02			54,291 81

*R.S.O. 1897, Cap. 36, Sec. 11, 12. † 1 Edw. VII. Cap., 32.

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 19.—Comparative Statement of Expenditure during the years 1903 and 1904.

SERVICE.	SUB-SERVICE.	Expenditnre 1903.		Expenditure 1904.	
		$ c.	$ c.	$ c.	$ c.
Civil Government	Lieutenant-Governor's Office....salaries....	2,525 00		2,170 00	
	do ....expenses....	1,500 00		1,500 00	
	Attorney-General's Office....salaries....	15,600 00		16,010 00	
	do ....expenses....	1,912 31		1,940 93	
	Education Department....salaries....	19,050 00		18,987 00	
	do ....expenses....	2,200 02		2,977 12	
	Crown Lands Department....salaries....	40,825 00		45,347 95	
	do ....expenses....	16,926 19		16,927 39	
	Bureau of Mines....salaries....	3,950 00		4,700 00	
	do ....expenses....	2,566 26		2,832 40	
	Colonization and Forestry....salaries....	4,525 00		5,441 66	
	do ....expenses....	1,870 85		1,980 17	
	Public Works Department....salaries....	24,450 00		24,067 00	
	do ....expenses....	8,179 80		7,625 49	
	Fisheries....salaries....	6,000 00		6,300 00	
	do ....expenses....	1,458 62		1,563 21	
	Game Protection....salaries....	2,100 00		2,250 00	
	do ....expenses....	377 26		498 47	
	Labor Bureau....salaries....	2,000 00		2,050 00	
	do ....expenses....	1,076 61		1,238 70	
	Treasury Department....salaries....	22,075 00		23,033 88	
	do ....expenses....	4,070 39		8,609 18	
	Provincial Auditor's Department....salaries....	8,950 00		9,200 00	
	do ....expenses....	736 35		1,041 72	
	Provincial Secretary's Department....salaries....	17,774 78		18,795 00	
	do ....expenses....	5,180 83		4,155 10	
	Inspection of Public Institutions....salaries....	15,050 00		15,383 34	
	do ....expenses....	2,687 63		3,428 89	
	Audit of License and Justice Account....salaries....	9,116 00		9,116 20	
	do ....expenses....	968 72		1,416 15	
	Registrar-General's Branch....salaries....	10,324 10		10,707 66	
	do ....expenses....	3,652 92		3,936 37	
	Provincial Board of Health....salaries....	5,950 00		4,987 21	
	do ....expenses....	4,736 07		7,062 74	
	Department of Agriculture....salaries....	20,355 16		21,058 28	
	do ....expenses....	1,400 42		1,307 56	

No. 19.—Comparative Statement of Expenditure during the years 1903 and 1904.—*Continued.*

SERVICE.	SUB-SERVICE.	Expenditure 1903.		Expenditure 1904.	
		$ c.	$ c.	$ c.	$ c.
Civil Government	Factory Inspection ..... salaries	5,017 33		5,700 00	
	do ..... expenses	2,651 34		3,468 54	
	Insurance Branch ..... salaries	6,400 00		6,550 00	
	do ..... expenses	2,198 13		2,553 17	
	Neglected Children's Branch ..... salaries	4,000 00		4,300 00	
	do ..... expenses	2,349 15		2,439 36	
	Miscellaneous :—				
	Official *Gazette*	3,515 27		3,088 22	
	King's Printer—Salaries	3,400 00		4,350 00	
	do —Expenses	140 51		242 54	
	Inspector Registry Offices	2,250 00		2,250 00	
	Municipal Auditor	2,493 99		3,217 68	
	Special Clerk, etc ..... (six months, 1903)	600 00		1,200 00	
	Total Civil Government		327,137 01		344,006 28
Legislation	Salaries	17 950 00		20,233 33	
	Sessional Writers, Clerks of Committees, etc	14,911 60		12,700 90	
	Postage and Cost of House Post Office	2,091 90		2,312 00	
	Stationery, Printing and Binding and distributing Statutes	45,436 84		50,334 59	
	Library	4,244 87		3,587 60	
	Indemnity to Members	98,699 80		100,920 00	
	Expenses	55,864 83		9,922 72	
	Total Legislation		239,199 84		200,011 14
Administration of Justice	Supreme Court	35,411 62		37,024 43	
	Appeal Court	3,385 80		3,788 38	
	High Court	2,719 54		2,782 09	
	Central Office	14,589 59		13,955 19	
	Registrar's Office	9,338 53		9,954 84	
	Weekly Court	1,763 17		1,709 70	
	Surrogate Court	3,206 30		3,434 71	
	Surrogate Judges and Local Masters	27,923 58		28,516 72	
	Inspection of Division Courts	5,963 52		6,079 07	

	Deputy Clerks of the Crown	16,750 40		16,650 00	
	Deputy Clerks of the Crown as Local Registrars	6,606 79		6,821 05	
	Land Titles Office	6,104 07		5,858 08	
	Local Masters of Titles	4,427 33		4,745 68	
	Drainage Trials Act	3,596 35		5,227 60	
	District of Algoma	21,897 16		22,240 71	
	do Thunder Bay	17,332 75		15,158 48	
	do Rainy River	13,318 50		14,196 90	
	do Nipissing	20,052 96		21,241 54	
	do Muskoka	8,597 30		7,538 89	
	District of Parry Sound	10,295 01		12,216 18	
	do Provisional County of Haliburton	1,218 40		1,450 00	
	District of Manitoulin	5,988 34		6,816 83	
	Provincial Police	11,518 64		11,252 06	
	Crown Counsel Prosecutions	4,921 00		6,345 75	
	Administration of Criminal Justice	142,866 39		172,097 76	
	Inspection of Legal Offices	3,766 16		3,869 33	
	Criminal Investigations	4,655 00		5,405 00	
	Special Services	.....		550 00	
	Sheriff's Fees	10,774 90		10,989 92	
	Seals and other Contingencies	227 65		151 12	
	Constitutional Questions	7,117 54		1,200 91	
	Grouped Counties	836 05		827 10	
	Shorthand Reporters	11,300 00		11,300 00	
	Circuit and County Judges Library	1,200 00		1,200 00	
	Osgoode Hall, Maintenance	9,272 63		9,864 65	
	Total Administration of Justice		448,942 97		482,460 67
Education	Public and Separate Schools	244,276 81		242,802 69	
	Poor and District do	57,950 00		62,460 38	
	Kindergarten do	2,992 83		3,018 64	
	Night Schools	192 00		171 00	
	Instruction in Agriculture in grouped Rural Schools	413 61		364 55	
	Continuation Classes	19,550 46		18,367 47	
	Model Schools	9,996 71		10,299 81	
	French-English Training Schools	800 00		800 00	
	Teachers' Associations	2,560 05		2,664 45	
	Inspection of Schools	60,343 47		69,595 94	
	Departmental Examinations	30,002 86		28,618 26	
	Normal and Model Schools, Toronto ..... salaries	23,181 68		25,752 64	
	do do ..... expenses	3,230 30		3,018 50	
	do Ottawa ..... salaries	20,583 16		22,001 82	
	do do ..... expenses	2,441 47		2,631 45	
	do do ..... maintenance	8,594 03		6,650 90	

No. 19.—Comparative Statement of Expenditure during the years 1903 and 1904.—*Continued.*

SERVICE.	SUB-SERVICE.	Expenditure 1903.		Expenditure 1904.	
		$ c.	$ c.	$ c.	$ c.
	do London.....salaries.....	6,970 00		8,500 00	
	do do .....expenses.....	5,271 47		3,094 78	
	do do .....maintenance.	3,053 33		2,554 87	
	High Schools and Collegiate Institutes.....	115,685 07		115,719 40	
	Ontario Normal College.....	10,950 24		12,577 90	
	Departmental Library and Museum.....salaries.....	3,650 00		4,457 00	
	do .....expenses.....	4,143 49		5,501 13	
	School of Practical Science.....salaries.....	28,202 66		32,255 94	
	do .....expenses.....	5,427 65		6,042 04	
	do .....maintenance.	6,163 46		6,321 31	
	Public Libraries.....	54,040 79		35,268 42	
	Art Schools, Examinations, etc	3,185 51		3,355 96	
	Literary and Scientific	3,500 00		3,600 00	
	Historical Societies.....	1,150 00		1,700 00	
	Technical Education	14,634 64		19,527 16	
	Provincial University and Mining Schools	115,307 15		111,422 86	
	Maintenance, Education Department.....	8,632 36		9,512 13	
	Miscellaneous	4,675 80		4,917 63	
	Superannuated Teachers	63,267 43		64,259 75	
	Total Education	.....	945,020 49	.....	949,806 78
Public Institutions Maintenance..	Asylum for Insane, Toronto	112,389 52		112,700 85	
	do London.....	133,539 80		137,785 18	
	do Kingston	81,549 97		88,357 89	
	do Hamilton.....	127,700 01		131,195 05	
	do Mimico.....	81,866 54		83,156 79	
	do Brockville.....	84,293 00		93,953 83	
	Asylum for Females, Cobourg	22,956 66		23,572 74	
	do Idiots, Orillia.....	71,622 05		72,927 40	
	Central Prison, Toronto	63,198 28		64,496 47	
	Reformatory for Boys	28,220 47		11,164 84	
	Asylum for Insane, Penetang	.....		17,050 24	
	Deaf and Dumb Institution.....	51,919 37		50,085 40	

	Blind Institution	32,877 20		32,537 92	
	Mercer Reformatory	29,904 33		31,449 44	
	Total Public Institutions Maintenance		922,037 20		950,434 04
Colonization and Immigration	Colonization	8,395 11		7,234 31	
	Immigration	8,468 36		12,655 63	
	Total Colonization and Immigration		16,863 47		19,889 94
Agriculture	District Societies	75,290 00		76,071 34	
	Grants to Associations	25,553 60		30,333 85	
	Farmers' Institutes	14,180 78		17,190 34	
	Incidentals	31,370 30		58,752 83	
	Sugar Beet Industry	74,997 58		71,715 99	
	San Jose Scale	3,711 65		3,690 86	
	Experimental Fruit Stations and Institutes	3,485 11		4,281 23	
	Eastern Dairy School	11,981 41		12,802 35	
	Pioneer Dairy Farm	1,871 39		2,081 81	
	Western Dairy School	3,140 02		3,442 98	
	Bureau of Industries	2,636 73		2,804 49	
	Cold Storage	121 78		450 00	
	Ontario Agricultural College and Maintenance	78,905 37		84,486 34	
	Experimental Farm and Feeding	13,676 68		17,342 55	
	Field Experiments	7,800 36		9,419 54	
	Experimental Dairy	12,321 82		14,310 74	
	Central Dairy School	8,176 79		10,398 26	
	Poultry Department	2,187 28		2,403 04	
	Horticultural Department	6,590 11		6,777 33	
	Mechanical Department	897 26		901 05	
	Macdonald Institute and Hall	.....		16,824 86	
	Total Agriculture		378,846 02		446,481 22
Hospitals and Charities	Grants	211,210 61		228,024 37	
	Children's Aid Societies	2,877 90		3,994 78	
	Sanitary Investigations	5,573 46		4,573 60	
	Sanitariums (63 Vic. Cap. 57, sec. 121)	4,000 00		.....	
	Total Hospitals and Charities		223,661 97		236,592 75
Repairs and Maintenance	Government House	15,577 01		15,039 99	
	Parliament Buildings	36,626 59		49,953 72	
	Attorney-General's Department	621 90		617 88	
	Crown Lands Department	3,246 14		3,469 36	

No. 19.—Comparative Statement of Expenditure during the years 1903 and 1904.—*Continued.*

SERVICE.	SUB-SERVICE.	Expenditure 1903.		Expenditure 1904.	
		$ c.	$ c.	$ c.	$ c.
Repairs and Maintenance	Public Works Department	827 19		678 42	
	Treasury Department	819 41		437 26	
	Provincial Secretary's Department	826 02		764 32	
	Department of Agriculture	943 45		875 93	
	Miscellaneous	4,025 00		.....	
	Total Repairs and Maintenance		63,512 71		71,836 88
Public Buildings	Parliament Buildings	1,857 74		2,475 05	
	Asylum for Insane, Toronto	959 42		2,510 53	
	do do Inspector	2,838 41		5,064 27	
	do Mimico	9,062 22		2,186 02	
	do do Inspector	2,707 47		3,103 39	
	do London	27,759 75		19,632 18	
	do do Inspector	8,463 61		2,610 20	
	do Hamilton	18,873 57		4,799 19	
	do do Inspector	2,191 55		5,107 31	
	do Kingston	10,206 05		10,464 34	
	do do Inspector	2,447 60		2,342 82	
	do Brockville	1,426 15		5,351 10	
	do do Inspector	2,600 82		2,547 87	
	do Cobourg	265 74		4,750 00	
	do do Inspector	36 15			
	Asylum for Idiots, Orillia	2,002 80		7,098 02	
	do do Inspector	10,879 75		4,112 45	
	Central Prison, Toronto	2,697 50		6,905 91	
	Reformatory for Boys, Inspector	2,100 00			
	Penetang Asylum			40,725 14	
	Hospital for Epileptics, Oxford	7,570 60		50,805 37	
	Reformatory for Females, Toronto	2,491 50		1,259 73	
	do do Inspector	4,779 57		7,038 08	
	Deaf and Dumb Institution, Belleville	2,109 86		4,992 39	
	do do Inspector	2,233 35		1,977 53	
	Blind Institution, Brantford	4 50		3,346 94	
	do do Inspector	2,747 73		1,559 94	

Public Buildings.—*Continued*.....	Normal and Model Schools, Toronto	35,839 70		12,272 15	
	do Ottawa	1,239 01		3,782 74	
	do London	2,445 05		90 00	
	Normal College, Hamilton	854 25			
	School Practical Science, Toronto	118,880 68		144,466 20	
	Agricultural College and Farm, Guelph	40,883 49		31,959 46	
	Children's Shelter, Toronto			7,012 35	
	Eastern Dairy School, Kingston	133 65		8,910 94	
	Osgoode Hall, Toronto	308 31			
	District of Algoma	2,736 32		6,354 92	
	District of Thunder Bay	1,630 23		2,281 69	
	do Muskoka	697 20		582 85	
	do Parry Sound	2,642 68		246 21	
	do Nipissing	1,908 75		2,812 31	
	do Rainy River	6,908 70		2,295 45	
	Total Public Buildings		348,421 43		425,833 04
Public Works.....	Combermere Bridge	2,624 01		1,254 50	
	Lake of the Woods Steel Bridge	9,064 24		15,884 78	
	Muskoka Lakes Works	3,354 59		2,438 60	
	Scugog River Works	1,640 56			
	Ryerson Swing Bridge	4,216 62		1,895 06	
	Eagle Lake Works	1,173 84			
	Manitou Lake Works	2,273 55			
	Jean Baptiste River Bridges	2,850 00		98 31	
	Wabis Creek Bridge	1,760 08		2,773 33	
	Rainy River Road Bridges	2,068 83		2,361 01	
	Stanley Bridge	3,275 52			
	Deepening Indian River	319 40		1,421 16	
	Dredging Black River	2,136 10			
	Twps. Elma & Eastnor Outlet Drains	2,480 00		1,300 00	
	Drainage Works	8,800 00		19,763 23	
	Southampton Dock—Saugeen River	989 04			
	Rainy River Docks	638 44		75 00	
	Blind River Bridge	1,770 32		940 05	
	Muskrat River—to remove obstructions	968 22			
	Whitefish River, do	249 15			
	Black River Bridge	500 00		9 48	
	Cassimir Creek—to remove obstructions	175 00		30 56	
	Buck Lake Bridge	305 06			
	Frontenac Bridge—destroyed by fire	3,288 06			
	Kinmount Bridge	1,500 00			
	Gannons Narrows Bridge	1,000 00			
	Big Creek Drain	3,800 00			

No. 19.—Comparative Statement of Expenditure during the years 1903 and 1904.—*Continued.*

SERVICE.	SUB-SERVICE.	Expenditure 1903.		Expenditure 1904.	
		$ c.	$ c.	$ c.	$ c.
	Bridge, West Arm Lake Nipissing			3,651 34	
	Bridge, Sunday Creek			603 00	
	Bridge, La Blanche River			2,929 87	
	Stanley Bridge, north portion			4,860 57	
	Severn Bridge			2,500 00	
	Sequin River Bridge			3,754 00	
	Burk's Falls, Dock Dredging			1,822 99	
	Bridge, Wa Wa Road			1,198 39	
	Obstructions, North River			659 14	
	Black Bridge, Muskoka River			1,500 00	
	Bridge, Nogey's Creek			481 85	
	Bridge, Round Lake Road			19 00	
	Bridge, Baysville			2,047 50	
	Bridge, Calabogie			800 00	
	Bridge, Echo River			1,332 11	
	Bridge, Wasdale			1,000 00	
	Bridge, Wahnapitae River			4,642 49	
	Delta Creek Improvement			99 24	
	Magnetawan River Dam			569 43	
	Ah Mic Lake—to remove obstructions			214 07	
	Surveys, Inspections, etc	761 90		1,804 40	
	Lockmaster's Salaries	4,901 25		5,251 16	
	Maintenance Locks, Dams, etc	8,929 71		10,296 72	
	Total Public Works		77,813 49		102,282 34
Colonization and Mining Roads			159,258 44		175,620 74
Charges Crown Lands	Board of Surveyors	200 00		200 00	
	Agents' salaries, etc	28,964 51		35,486 90	
	Fees, advertising, etc. *re* sale Timber Berths	8,948 69		4,879 59	
	Forest Ranging	41,305 74		33,341 00	
	Forest Reserves	6,660 85		10,249 66	
	Fire Ranging	31,237 86		42,989 48	
	Cullers' Act	212 85		68 17	
	Quebec Agency	2,019 45		2,143 87	
	Ottawa Agency	2,728 72		2,737 10	

	Surveys	80,777 73		101,299 50	
	Rat Portage Office	162 71		180 00	
	Inspections, Explorations, etc.	14,804 94		14,263 45	
	Mining Schools	1,077 63		1,316 57	
	Diamond Drills	3,791 91		2,513 22	
	Iron Mining Act	25,000 00		25,000 00	
	Algonquin Park	7,562 48		7,916 08	
	Rondeau Park	3,327 68		2,260 10	
	Total Charges Crown Lands		258,783 75		286,844 69
Refunds	Education	1,045 25		1,306 48	
	Crown Lands	54,000 76		14,601 89	
	Municipalities Fund	243 32		121 66	
	Land Improvement Fund	2,861 87		2,311 58	
	Miscellaneous	349 67		309 56	
	Total Refunds		58,500 87		18,651 17
Miscellaneous	Charges on Revenue	12,624 46		15,822 19	
	Expenses of Elections and Election Trials	8,551 98		8,302 06	
	Ontario Rifle Association	1,000 00		1,000 00	
	Ontario Artillery Association	500 00		500 00	
	Canadian Military Institute	100 00		100 00	
	York Pioneers			200 00	
	Manhood Suffrage Registration	20 00		13 80	
	Voters' Lists	5,854 64		12,788 82	
	Gratuities	18,712 00		19,709 70	
	Telephone Service	5,133 64		4,532 51	
	Removal of Patients	5,802 84		6,617 40	
	Arbitration, Canada and Quebec	3,176 18		3,566 81	
	Wolf Bounty	2,602 00		3,839 00	
	Fisheries	26,669 95		26,487 96	
	Monument, Governor Simcoe	500 00			
	Committee of House for Art Purposes	1,887 25		2,185 00	
	Compilation Imperial Statutes	1,025 00			
	United Empire Loyalists	200 00		200 00	
	Eastern Good Roads Association	200 00			
	Forestry Association	300 00		300 00	
	Liquor Act Vote	42,933 31			
	Game Protection	6,816 59		9,016 70	
	Port Arthur and Fort William Exposition	1,800 00			
	Reception to Curlers, O.A.C.	150 75			
	Statue, Late Sir Oliver Mowat	1,000 00		2,500 00	
	Funeral Expenses do	1,576 05			
	Industrial Exhibition Building	10,000 00			

No. 19.—Comparative Statement of Expenditure during the years 1903 and 1904.—*Concluded.*

SERVICE.	SUB-SERVICE.	Expenditure 1903.		Expenditure 1904.	
		$ c.	$ c.	$ c.	$ c.
Miscellaneous.—*Concluded*	Law Costs, Estreated Bail, &c.	573 41			
	Queen Victoria Statue, Hamilton	1,000 00			
	Good Roads (1 Edw. VII., Cap. 32)	22,910 51		91,527 54	
	Insurance—School of Science and Osgoode Hall			3,207 34	
	Memorial, South African Veterans			2,500 00	
	Army & Navy Veterans			200 00	
	R. M. C. Rifle Association			100 00	
	Canadian Mining Institute			300 00	
	Railway Commission			2,655 68	
	Fire Loss			7,928 84	
	Trinity Medical Building			12,022 95	
	Incidentals	7,220 53		4,433 36	
	Total Miscellaneous		190,841,09		242,557 66
Railway Subsidy Fund			114,607 32		118,337 46
Annuities			103,900 00		102,900 00
Drainage Debentures	Municipal		2,060 17		13,238 53
do	Tile		800 00		900 00
Common School Fund			9,774 33		78,740 76
Stationery	Purchase over distribution				26 93
			$4,889,982 57		$5,267,453 02

Provincial Auditor's Office,
Toronto, March 9th, 1905.

C. H. SPROULE,
Provincial Auditor.

No. 20.

CENTRAL PRISON INDUSTRIES.

Expenditure for the year ending December 31st, 1904.

Name.	Article.	Amount.	Totals.
		$ c.	$ c.
S. Trees & Co.	Hardware, iron castings	124 05	
C. Kloepfer	do	6 69	
Graham Nail Works	do	260 22	
Jas. Smart Mfg. Co.	do	147 19	
Wood Vallance & Co.	do	548 78	
Geo. B. Meadows & Co.	do	42 67	
Wm. H. Frost	do	1,077 29	
Galloway Taylor & Co.	do	422 33	
Wm. Blaikie	do	60 45	
Wm. Jessop & Sons	do	21 48	
Independent Cordage Co.	do	267 48	
Brignall & Keeler	do	12 80	
H. S. Howland Sons & Co.	do	203 72	
Aikenhead Hardware Co.	do	1,415 71	
Gendron Mfg. Co.	do	1 10	
William H. Lake	do	85	
Nerlich & Co.	do	576 16	
B. Greening Wire Co.	do	241 33	
Wm. Abbott	do	96 07	
James Morrison Brass Co	do	7 80	
Canada Metal Co.	do	54 85	
McDonald & Willson	do	6 00	
Hobbs Hardware Co.	do	1,487 71	
Rice Lewis & Son	do	6 47	
Canada Foundry Co.	do	14 46	
Wheeler & Bain	do	37 70	
M. L. Samuel Benjamin Co.	do	3 92	
F. Ibbotson	do	75	
S. Heath & Sons	do	464 45	
			7,610 48
United Factories	Brushes	74 91	
Stewart & Wood	Paints and oils	309 99	
Sanderson Pearcy & Co.	do	945 53	
P. D. Dods	do	143 63	
Imperial Varnish & Color Co.	Varnish and paints	510 32	
Scarfe & Co.	Varnish	450 47	
Robertson Varnish Co.	do	117 27	
McCaskill, Dougall & Co.	do	44 71	
W. Harris & Co.	Glue	49 08	
Toronto Plate Glass Co.	Glass	50	
Canada Paint Co.	Paint	3 43	
The Jas. Roberts n Co.	Plumbers' supplies	159 93	
Dominion Radiator Co.	do	22 04	
Canadian General Elec. Co	do	2 95	
Ashcroft Mfg. Co.	do	10 00	
Eureka Mineral Wool Co.	do	4 50	
J. Maloney & Co.	do	20 33	
			2,869 59
Grant Hamilton Oil Co.	Machine and wool oils	170 46	
Canadian Oil Co.	do	317 05	
Queen City Oil Co.	do	390 21	
George W. Grant & Co.	do	181 22	
Cataract Refining Co.	do	27 80	
R. J. Kennedy	do	7 50	
			1,094 24
E. T. Carter & Co.	Wool warps and tallow	5,631 81	
Hamilton Cotton Co.	Warps	1,076 23	
			6,708 04
Atteaux Dyestuff Co.	Chemicals and dyestuffs	97 39	
Theo. H. Eaton & Son	do	143 98	
G. A. Bingham	do	8 40	
Metropolitan Soap Co.	do	81 13	
			330 90

CENTRAL PRISON INDUSTRIES.—*Continued.*

Name.	Article,	Amount.	Totals.
		$ c.	$ c.
John Macdonald & Co.	Dry goods and tailors' supplies	1,537 75	
Nisbet & Auld	do	2,184 33	
Frank & Bryce	do	48 53	
Flett Lowndes & Co.	do	132 96	
John Leckie	do	71 54	
The Robert Simpson Co.	do	41 25	
The T. Eaton Co.	do	52 00	
W. P. Rodger	do	58 11	
John Halliday	do	6 00	
F. Hall & Son	do	8 00	
Fairweather & Co.	do	3 00	
N. J. Bourdon	do	45 00	
H. J. Brown	do	10	
Jess Applegath	do	18 00	
J. L. Applegath	do	6 00	
			4,212 57
W. G. Fischer	Leather and findings	1,713 95	
Beardmore & Co.	do	1,299 49	
P. Jacobi	do	37 15	
W. H. Lendon	do	7 20	
Canada Last Co.	do	5 95	
Dominion Suspender Co.	do	69 02	
Garside & White	do	231 00	
Hurlburt & Mills	do	88	
M. Hunter	do	1 40	
			3,366 04
Macgregor, Gourlay Co.	Machinery and machinery supplies	41 58	
Sadler & Haworth	do	184 24	
Geo. Reid & Co.	do	182 38	
Beardmore Belting Co.	do	771 99	
Singer Mfg. Co.	do	3 56	
Wm. Crabb & Co.	do	335 87	
R. Dickey & Co.	do	26 40	
Hamilton Mfg. Co.	do	54 54	
Polson Iron Works Co.	do	387 60	
E. R. Burns Saw Co.	do	10 30	
Berlin Felt Boot Co.	do	2 50	
John Bertram & Son	do	5 00	
A. W. Spooner	do	57 40	
Dodge Mfg. Co.	do	13 44	
Handstitch Broom Sewing Machine Co.	do	30 00	
John Inglis Co.	do	46 14	
George McFarlane	do	9 50	
J. Turner & Son	do	7 50	
A. R. Williams Mach'y Co.	do	63 44	
Canada Bobbin Co.	do	54 02	
A. B. Jardine & Co.	do	9 10	
Goldie & McCulloch Co.	do	26 55	
Stanley G. Flagg	do	51 51	
Vermont Spool Co.	do	230 18	
			2,604 74
Brown Bros.	Books, printing, etc.	91 23	
Browne-Searle Co.	do	27 00	
Lawson & Wilson	do	23 75	
Rolph & Clark	do	25 00	
Lyon & Patterson	do	13 50	
C. W. Mack	do	3 75	
Grand & Toy	do	2 25	
Salvation Army	do	1 50	
Jones Engraving Co.	do	168 25	
Canada Printing Ink Co.	do	10 20	
T. G. Soole	do	7 00	
			373 43
Joseph Feigham	Lumber	431 84	
Keenan Bros.	do	5,618 46	
Taylor, Scott & Co.	do	301 41	
D. C. McLean	do	1,483 45	
Duncan J. McLean	do	1,173 25	
Henry Pedwell	do	22,770 54	
Snider & Co.	do	176 33	
Algoma Commercial Co.	do	699 61	
Chew Bros.	do	1,295 92	
			33,950 81

CENTRAL PRISON INDUSTRIES.—*Continued.*

Name.	Article.	Amount.	Totals.
		$ c.	$ c.
Grand Trunk Railway System	Freight, duty, etc.	2,491 50	
Canadian Pacific Ry. Co.	do	1,677 22	
Canadian Express Co.	do	23 30	
Dominion Express Co.	do	2 75	
Hamilton Steamboat Co.	do	4 45	
Robinson & Heath	do	167 50	
			4,366 72
Elias Rogers Co.	1,608 tons 720 lbs. mine run, 3.95		
do	121 tons 18 lbs. mine run, 3.55		
do	737 tons 15 lbs. sgs., 2.85	.....	8,925 15
do	10½ cords pine slabs, 3.50		
Ely Bros.	Charcoal	.....	3 75
Consumers' Gas Co.	Coke	.....	90
J. H. Dunlop	Greenhouse supplies	80 39	
H. W. Nelson & Co.	do	4 62	
Spanish Cigar Co.	do	3 00	
			88 01
Consumers' Gas Co.	Gas	291 84	
City of Toronto	Water	607 39	
Stamp Vendors	Postage	112 00	
Toronto Railway Co.	Car tickets	48 00	
Great North Western Tel. Co.	Messages	1 05	
Canadian Pacific Tel. Co.	do	25	
Bell Telephone Co.	do	3 10	
Bank of Commerce	Exchange on cheques	8 14	
Wm. Houston	Travelling expenses	32 75	
W. W. Mason	do	7 45	
G. W. Edgar	do	16 35	
J. Cruickshank & Son	Wagon	155 00	
Dominion Paper Box Co.	Paper boxes	92 35	
Gutta Percha & Rubber Co	Rubber goods	69 43	
Ontario Rubber Co.	do	32 56	
Chandler & Massey	Webbing	6 00	
J. Maloney & Co.	Cement, lime and repairs	19 00	
Douglas & Ratcliff	Wrapping paper	22 35	
W. G. Harris	do	59 70	
Rankin & Co.	Packing	10 14	
Canadian Feather Mattress Co.	Mattresses	157 15	
R. G. Dun & Co.	Mercantile reports	50 00	
Sheppard Publishing Co.	Advertising, etc.	210 00	
Manufacturers Test Co.	Trade papers	5 00	
J. J. Mitchell & Co.	do	8 00	
Iron Fabrics	do	2 50	
			2,027 50
J. O. Anderson	12 months' salary as Accountant	500 00	
John White	do Ind. Foreman	800 00	
H. Abel	do do	800 00	
P. T. McKay	do do	1,000 00	
S. Smith	do do	1,000 00	
W. Scott	do do	1,200 00	
G. Moodey	do do	650 00	
G. Sweetman	do do	650 00	
G. Ross	do Ind. Culler	600 00	
A. Thwaites	do do Foreman	650 00	
H. Briefman	do do Instructor	600 00	
D. Robertson	do do Guard	550 00	
R. Vickers	do do	500 00	
W. Hill	do do	400 00	
John Harris	do Machinist	700 00	
John Seitz	do Ind. Foreman	1,050 00	
C. Seitz	do do	468 00	
M. Clancy	do do	800 00	
W. W. Jackson	do Blacksmith	600 00	
Thomas Gill	do Teamster	420 00	
John Gill	8½ do do	208 10	
M. Renehan	3 do do	75 00	
R. J. Linton	12 do Night Patrol	600 00	
Jas. Clarkson	do Consult. Eng.	300 00	
E. A. Hammond	do Steamfitter	600 00	
T. G. Crossan	do Ship Clerk & Sten.	700 00	
Wm. Houston	do Gardener	750 00	
Geo. W. Edgar	Allowance, Clerk.	50 00	

CENTRAL PRISON INDUSTRIES.---*Concluded.*

Name.	Article.		Amount.	Totals.
			$ c.	$ c.
J. B. Reid	Allowance	Ind. Guard	150 00	
J. Barry	do	do	50 00	
J. B. Miles	do	do	50 00	
J. Muir	do	do	50 00	
Robert Harper	do	do	16 66	
J. T. Gilmour	do	Warden	500 00	
John Lillie	5 months' salary	Ind. Guard	229 15	
M. Kehoe	12 do	do	600 00	
John D. Spears	2½ do	do	132 00	
A. J. Land	12 do	Machinist	706 50	
				19,705 41
Sundry Prisoners			840 00	
do Insurance Companies			550 00	
				1,390 00
	Paid Treasurer of Ontario Feb., 1904			6,000 00
				105,628 28
	Balance on hand Jan. 1st, 1904		16,834 61	
	Less special deposits included in balance on hand		13,000 00	
			3,834 61	
	Receipts of 12 months, ending 31st December, 1904		109,879 09	
				113,713 70
	Balance in bank 31st Dec., 1904			8,085 42

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Estimates

of the

Province of Ontario

For the Year ending 31st December,

1905

PRINTED BY ORDER OF
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1905.

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SUMMARY

Of the Estimated Expenditure of the Province of Ontario for the Financial Year ending 31st December, 1905.

No.	SERVICES.	Page.	To be voted. For current expenditure.	To be voted. On capital account.	To be voted. For other purposes.
			$ c	$ c.	$ c.
I	Civil Government		351,980 00		
II	Legislation		187,950 00		
III	Administration of Justice		488,850 75		
IV	Education		1,198,340 51		
V	Public Institutions Maintenance		931,327 00		
VI	Colonization and Immigration		24,275 00		
VII	Agriculture		333,443 00		
VIII	Hospitals and Charities		291,642 19		
IX	Maintenance and Repairs of Government and Departmental Buildings		74,030 00		
X	Public Buildings—				
	(1) Repairs		50,816 00		
	(2) Capital Account			312,044 27	
XI	Public Works—				
	(1) Repairs		30,700 00		
	(2) Capital Account			55,600 00	
XII	Colonization and Mining Roads				166,300 00
XIII	Charges on Crown Lands		282,375 80		
XIV	Refunds Account		40,415 80		
XV	Miscellaneous Expenditure		209,700 00		
XVI	Unforseen and Unprovided		50,000 00		
			4,545,845 25	367,644 27	166,300 00

	$ c.
1. Current Expenditure for 1905	4,545,845 25
2. On Capital Account	367,644 27
3. Other purposes	166,300 00
Amount of Estimates	5,079,789 52

ESTIMATES OF EXPENDITURE

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR

1905.

I. CIVIL GOVERNMENT.

Amount to be voted, $351,980.00.

No. of Vote.	Salaries and Contingencies.	1904.	1905.	Compared with Estimates of 1904.	
		$ c.	$ c.	Increase.	Decrease.
1	Lieutenant-Governor's Office.	3,640 00	3,840 00	200 00	
2	Premier and Attorney-General's Department.....	22,010 00	24,010 00	2,000 00	
3	Education Department.....	22,050 00	19,700 00	.....	2,350 00
4	Crown Lands Department...	73,450 00	76,700 00	3,250 00	
5	Public Works do	45,300 00	45,700 00	400 00	
6	Treasury do	33,150 00	33,800 00	650 00	
7	Provincial Secretary's Department.....	23,230 00	24,080 00	850 00	
8	Inspection Public Institutions	19,150 00	20,000 00	850 00	
9	License Branch.....	8,650 00	8,950 00	300 00	
10	Audit of Justice Accounts....	1,800 00	2,350 00	550 00	
11	Registrar-General's Branch..	15,100 00	15,450 00	350 00	
12	Board of Health..	13,400 00	15,400 00	2,000 00	
13	Neglected Children's Branch.	6,900 00	7,000 00	100 00	
14	Department of Agriculture...	22,400 00	22,000 00	.....	400 00
15	Factory Inspection.....	7,850 00	9,450 00	1,600 00	
16	Insurance Branch.....	9,150 00	9,150 00		
17	Miscellaneous.....	14,400 00	14,400 00		
		341,630 00	351,980 00	13,100 00	2,750 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
1	**Lieutenant-Governor's Office.**		
	Official Secretary	1,200 00	1,200 00
	Occasional assistance	400 00	400 00
	Messenger	540 00	540 00
	Contingencies	1,500 00	1,700 00
		3,640 00	3,840 00
2	**Premier and Attorney-General's Department.**		
	Premier and Attorney-General	7,000 00	7,000 00
	Deputy Attorney-General	3,500 00	3,500 00
	Premier's Secretary	.....	2,000 00
	Assistant Secretary	600 00	650 00
	Clerk, Executive Council	1,800 00	1,850 00
	Assistant Clerk, Executive Council and Attorney-General's Secretary	1,500 00	1,600 00
	Stenographer and Assistant	360 00	410 00
	Law Secretary	800 00	800 00
	First Class Clerk	1,150 00	1,200 00
	Second Class Clerk	1,000 00	1,050 00
	do do	900 00	950 00
	Messenger, Executive Council and Caretaker	1,000 00	1,000 00
	Contingencies	2,400 00	2,000 00
		22,010 00	24,010 00
3	**Education Department.**		
	Minister of Education	4,000 00	4,000 00
	Deputy Minister	2,600 00	2,600 00
	Minister's Secretary	1,500 00	1,200 00
	Senior Clerk and Accountant	1,400 00	1,400 00
	Clerk	1,350 00	.....
	do of Records	1,250 00	1,250 00
	do (transferred to Examinations)	1,100 00	.....
	do of Correspondence	1,250 00	1,250 00
	do (transfered to Examinations)	900 00	.....
	Assistant Clerk of Correspondence (transferred from Examinations)	.....	800 00
	Assistant Clerk of Records	850 00	850 00
	Clerk of Statistics	900 00	900 00
	do and Assistant Accountant	600 00	600 00
	do and Stenographer	800 00	800 00
	Stenographer (2) one transferred from Examinations	600 00	950 00
	Caretaker, including offices, museum, etc.	550 00	550 00
	Postage	450 00	450 00
	Printing, paper for circulars and blanks	800 00	800 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
3	**Education Department**—*Continued.*		
	Office stationery and account books...	500 00	500 00
	Books, periodicals and contingencies	450 00	600 00
	Travelling and other expenses.....	200 00	200 00
4	**Crown Lands Department.**	22,050 00	19,700 00
	Commissioner.....	4,000 00	4,000 00
	Assistant Commissioner.....	3,250 00	3,250 00
	Law Clerk.....	2,200 00	2,200 00
	Secretary to Assistant Commissioner... ...	1,000 00	1,000 00
	Stenographer.....		400 00
	Land Sales and Free Grants—		
	Chief Clerk.....	1,900 00	1,900 00
	Clerk.....	1,400 00	1,400 00
	do	900 00	900 00
	do	900 00	900 00
	Stenographer.....	550 00	550 00
	do		450 00
	Military Grants—		
	Chief Clerk.....	1,200 00	1,200 00
	Clerk.....	650 00	650 00
	Stenographer.....		450 00
	Surveys and Patents—		
	Director.....	2,200 00	2,200 00
	Surveyor and Draughtsman.....	1,400 00	1,400 00
	Clerk.....	1,000 00	1,000 00
	Draughtsman.....	1,200 00	1,200 00
	Clerk...	800 00	800 00
	do	800 00	800 00
	Draughtsman...		850 00
	Stenographer.....		400 00
	Clerk of Patents and Inspector of Agencies.....	1,650 00	1,650 00
	Clerk.....	800 00	800 00
	do	1,000 00	1,000 00
	do		900 00
	Woods and Forests		
	Chief Clerk.....	1,800 00	1,800 00
	Clerk.....	1,100 00	1,100 00
	do	1,250 00	1,250 00
	do	850 00	850 00
	do	800 00	800 00
	do	750 00	750 00
	do		700 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
4	**Crown Lands Department**—*Continued.*		
	Accounts Branch—		
	Accountant	1,850 00	1,850 00
	Clerk	1,200 00	1,200 00
	do	1,100 00	1,100 00
	do	800 00	800 00
	do	750 00	1,000 00
	Registrar	1,500 00	1,500 00
	Clerk	1,100 00	1,100 00
	Messenger, etc	600 00	600 00
	Contingencies	14,000 00	11,000 00
	Bureau of Mines—		
	Director	2,500 00	2,500 00
	Secretary	1,300 00	1,200 00
	Stenographer	500 00	500 00
	Clerk	400 00	400 00
	Contingencies	2,900 00	2,900 00
	Colonization and Forestry—		
	Director	2,000 00	2,000 00
	Forester	.....	1,600 00
	Secretary and Minister's Secretary	1,300 00	1,500 00
	Clerk	950 00	950 00
	Clerk at Station	650 00	800 00
	do at Station	600 00	600 00
	Stenographer	500 00	500 00
	Contingencies	1,600 00	1,600 00
		73,450 00	76,700 00
5	**Public Works Department.**		
	Commissioner	4,000 00	4,000 00
	Assistant Commissioner	2,400 00	2,400 00
	Clerk and Minister's Secretary	1,100 00	1,100 00
	Consulting Engineer and Architect	1,500 00	1,500 00
	Engineer	1,800 00	1,800 00
	Architect	1,900 00	1,900 00
	Secretary Public Works	1,000 00	1,200 00
	Accountant and Law Clerk	1,350 00	1,350 00
	Assistant Engineer and Architect	1,200 00	1,200 00
	Assistant Clerk and Paymaster	1,200 00	1,200 00
	Clerk and Stenographer	550 00	600 00
	do do	400 00	400 00
	Clerk of Files	500 00	550 00
	Messenger and Caretaker	600 00	600 00
	Contingencies	4,400 00	4,400 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
5	**Public Works Department.**—*Continued.*		
	Commissioner of Highways Branch—		
	Clerk	900 00	900 00
	Stenographer	400 00	450 00
	Stationery and printing	500 00	500 00
	Travelling expenses and contingencies.	1,000 00	1,000 00
	Colonization Roads—		
	Superintendent	1,900 00	1,900 00
	Accountant	1,000 00	1,000 00
	Clerk	950 00	950 00
	Contingencies	1,000 00	1,000 00
	Fisheries—		
	Deputy Commissioner	2,200 00	2,200 00
	Chief Clerk	1,400 00	1,400 00
	Clerk	850 00	850 00
	do	900 00	900 00
	do and Stenographer	500 00	500 00
	do	450 00	450 00
	Contingencies	1,500 00	1,500 00
	Game Protection—		
	Chief Warden	1,400 00	1,400 00
	Clerk	850 00	850 00
	Contingencies	600 00	600 00
	Labor Bureau—		
	Secretary	1,500 00	1,500 00
	Clerk and Stenographer	550 00	600 00
	Contingencies	1,050 00	1,050 00
6	**Treasury Department.**	45,300 00	45,700 00
	Treasurer	4,000 00	4,000 00
	Assistant Treasurer	2,500 00	2,500 00
	Clerk of Bonds and Algoma Taxes	1,600 00	1,600 00
	First Class Clerk	1,300 00	1,350 00
	Second Class Clerk	1,100 00	1,150 00
	do and Private Secretary.	1,050 00	900 00
	Junior Second Class Clerk	850 00	900 00
	do	850 00	900 00
	do	700 00	750 00
	do	650 00	700 00
	Clerk and Bank Messenger	750 00	750 00
	Messenger (general)	300 00	350 00
	Contingencies	3,700 00	3,700 00
	Succession Duties Branch—		
	Solicitor under Succession Duties Act.	2,200 00	2,300 00
	Second Class Clerk	850 00	900 00
	Stenographer	450 00	500 00
	Contingencies	400 00	400 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
6	**Treasury Department.**—*Continued.*		
	Provincial Auditor's Office—		
	Provincial Auditor	2,500 00	2,500 00
	Assistant Auditor	1,600 00	1,650 00
	Chief Clerk	1,600 00	1,600 00
	First Class Clerk	1,350 00	1,400 00
	Second Class Clerk	950 00	1,000 00
	do	800 00	850 00
	Messenger	400 00	450 00
	Extra Clerks *re* Public Accounts	300 00	300 00
	Contingencies	400 00	400 00
7	**Provincial Secretary's Department.**	33,150 00	33,800 00
	Secretary and Registrar	4,000 00	4,000 00
	Assistant Secretary	2,500 00	2,500 00
	Deputy Registrar	1,450 00	1,500 00
	Assistant do	1,250 00	1,300 00
	First Class Clerk and Minister's Secretary	1,250 00	1,500 00
	First Class Clerk	1,400 00	1,450 00
	do	1,350 00	1,400 00
	Second Class Clerk	1,000 00	1,050 00
	Junior Second Class Clerk	800 00	850 00
	do	750 00	800 00
	Stenographer	600 00	650 00
	do	550 00	600 00
	do	.....	550 00
	Junior Clerks (2)	980 00	1,080 00
	Messenger and Caretaker	600 00	600 00
	Printing and binding, including Marriage licenses, Joint Stock Company forms, etc.	1,750 00	1,750 00
	Stationery, postage and contingencies	3,000 00	2,500 00
8	**Inspection Public Institutions.**	23,230 00	24,080 00
	Inspector of Asylums	2,600 00	2,600 00
	do Prisons and Charities	2,500 00	2,500 00
	do Central Prison and Reformatories	2,400 00	2,400 00
	First Class Clerk	1,400 00	1,450 00
	do	1,250 00	1,300 00
	do	1,250 00	1,300 00
	do	1,150 00	1,200 00
	Second Class Clerk	1,050 00	1,100 00
	Junior Second Class Clerk	800 00	800 00
	Stenographer	400 00	450 00
	Clerk and Stenographer	.....	450 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
8	**Inspection Public Institutions.**—*Continued.*		
	Clerk and Messenger	650 00	650 00
	Travelling expenses for Inspectors	1,500 00	1,500 00
	Printing, stationery, postage and contingencies	2,200 00	2,300 00
		19,150 00	20,000 00
9	**License Branch.**		
	Chief Officer	2,000 00	2,200 00
	Provincial Inspector	2,000 00	2,000 00
	First Class Clerk	1,550 00	1,600 00
	Second Class Clerk	1,000 00	1,050 00
	Junior Second Class Clerk	750 00	700 00
	do do	750 00	800 00
	Stationery, postage and contingencies	600 00	600 00
		8,650 00	8,950 00
10	**Audit of Justice Accounts.**		
	Inspector of Criminal Justice Account	1,700 00	1,700 00
	Stenographer		450 00
	Contingencies	100 00	200 00
		1,800 00	2,350 00
11	**Registrar-General's Branch.**		
	Deputy Registrar-General and Secretary Board of Health	2,500 00	2,500 00
	Inspector District Registrar's Office	1,300 00	1,300 00
	Chief Clerk	1,100 00	1,150 00
	Second Class Clerk	1,050 00	1,100 00
	do	950 00	1,000 00
	do	950 00	1,000 00
	do	950 00	1,000 00
	do	850 00	900 00
	Stenographer	550 00	600 00
	Messenger	500 00	500 00
	For supply of blank forms to postmaster and Indices	500 00	500 00
	Printing and stationery	1,800 00	1,800 00
	Postage and contingencies	900 00	900 00
	Travelling expenses inspecting District Registrars	500 00	500 00
	Temporary services	300 00	300 00
	District Registrar's fees	400 00	400 00
		15,100 00	15,450 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
12	**Provincial Board of Health.**		
	Chairman	400 00	400 00
	Medical Inspector	2,000 00	2,000 00
	Provincial Analyst in charge of Laboratory	1,600 00	1,600 00
	Chief Clerk	1,000 00	1,050 00
	Clerk	650 00	650 00
	Messenger	550 00	600 00
	Printing, binding, stationery and sanitary literature	1,000 00	1,000 00
	Per diem allowance of members of Board	700 00	700 00
	Rent of Laboratory	500 00	500 00
	Travelling expenses of Members of Board and Secretary	600 00	800 00
	Laboratory Investigations	2,900 00	2,900 00
	For the analysis of sewage	1,000 00	1,000 00
	Contingencies	500 00	2,200 00
		13,400 00	15,400 00
13	**Neglected Children's Branch.**		
	Superintendent and Inspector	1,700 00	1,700 00
	Inspector	1,100 00	1,100 00
	Clerk and Stenographer	500 00	500 00
	Clerk and Messenger	250 00	350 00
	Special literature	200 00	200 00
	Children's Visitor	750 00	750 00
	Travelling expenses and contingencies	2,400 00	2,400 00
		6,900 00	7,000 00
14	**Department of Agriculture.**		
	Minister	4,000 00	4,000 00
	Deputy Minister and Secretary of Bureau of Industries	2,600 00	2,700 00
	Assistant Secretary	1,700 00	1,700 00
	Chief Clerk	1,600 00	1,650 00
	First Class Clerk Minister's Secretary	1,350 00	1,400 00
	Second Class Clerk	1,200 00	1,200 00
	do	1,100 00	1,150 00
	do Municipal Statistics	1,100 00	1,150 00
	do	1,100 00	1,150 00
	do	1,100 00	1,150 00
	do	1,050 00	.....
	do	950 00	1,000 00
	do	650 00	600 00
	Junior Second Class Clerk	600 00	650 00
	do do and Messenger	900 00	700 00
	Additional Messenger Service	.....	400 00
	Stenographer	1,400 00	1,400 00
	Contingencies	22,400 00	22,000 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
15	**Factory Inspection Branch.**		
	Inspector	1,100 00	1,100 00
	do	1,100 00	1,100 00
	do	1,000 00	1,000 00
	do	1,000 00	1,000 00
	Female Inspector	650 00	650 00
	do do	.....	600 00
	Stenographer	500 00	500 00
	Contingencies	2,500 00	3,500 00
		7,850 00	9,450 00
16	**Insurance Branch.**		
	Inspector of Insurance, and Registrar of Friendly Societies and Loan Companies	3,000 00	3,000 00
	Assistant Registrar of Friendly Societies	1,200 00	1,200 00
	Clerk	950 00	950 00
	Clerk	850 00	850 00
	Stenographer	550 00	550 00
	Printing, blank returns and forms	1,300 00	1,300 00
	Travelling expenses, books, postage, stationery, etc	1,300 00	1,300 00
		9,150 00	9,150 00
17	**Miscellaneous.**		
	King's Printer	1,500 00	1,500 00
	Assistant King's Printer	1,050 00	1,050 00
	Chief Clerk	1,000 00	1,000 00
	Clerk (charged to contingencies)	800 00	800 00
	Cost of Official Gazette	5,000 00	5,000 00
	Contingencies, including stationery, postage, etc	100 00	100 00
	Inspector of Registry Offices	1,750 00	1,750 00
	Travelling and other expenses	500 00	500 00
	Municipal Auditor	2,100 00	2,100 00
	Travelling and other expenses	600 00	600 00
	Clerk for special services *re* investigations. (*Transferred to Legislation, Assistant Law Clerk.*)	.....	.....
		14,400 00	14,400 00

18

II. LEGISLATION.

Amount to be voted, $187,450.00.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
	Mr. Speaker's salary	2,000 00	2,000 00
	Clerk of the House	2,000 00	2,000 00
	Clerk Assistant and Clerk of Routine	1,600 00	1,700 00
	Sergeant-at-arms	1,000 00	1,000 00
	Law Clerk	1,400 00	1,400 00
	do Assistant	1,400 00	1,400 00
	Stenographer	450 00	450 00
	Postmaster	1,200 00	1,200 00
	Assistant Postmaster	600 00	600 00
	Librarian	1,900 00	1,900 00
	Assistant Librarian	1,000 00	1,000 00
	do for annex	550 00	550 00
	Archivist	1,500 00	1,500 00
	Assistant Archivist (French)	800 00	800 00
	Accountant of the House (also King's Printer)	400 00	400 00
	Housekeeper and Chief Messenger	900 00	900 00
	House Messengers (5)	2,850 00	2,850 00
	Clerks of Committees, Secretary of the Speaker and Leader of the Opposition	5,200 00	5,200 00
	Sessional Writers, Messengers, Elevator Men and Pages	6,000 00	7,000 00
	Postage and Cost of House Post Office	1,800 00	1,800 00
	Carriage of Mail	.....	500 00
	Stationery, including printing paper, printing and binding	40,000 00	40,000 00
	Printing Bills and distributing Statutes	2,000 00	2,000 00
	Library, for books and binding, etc	3,000 00	3,500 00
	Indemnity to members including mileage	103,000 00	101,000 00
	Subscription to newspapers and periodicals	1,000 00	1,000 00
	Contingencies	4,300 00	4,300 00
	Expenses select committee on assessments and public utilities	2,700 00	.....
		190,550 00	187,950 00

III. ADMINISTRATION OF JUSTICE.

Amount to be voted, $488,850 75.

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
19	*Supreme Court of Judicature—*		
	Allowance to Judges under R.S.O., cap. 52	15,000 00	17,000 00
	Registrar Supreme Court and Court of Appeal	2,000 00	2,000 00
	Contingencies, printing, etc	75 00	75 00
	Master-in-Chambers	3,200 00	3,200 00
	Clerk	1,700 00	1,700 00
	Assistant Clerk	1,000 00	1,000 00
	Entering Clerk	600 00	600 00
	Contingencies	400 00	400 00
	Master-in-Ordinary	4,000 00	4,000 00
	Chief Clerk and Accountant	2,000 00	2,000 00
	Clerk and Stenographer	1,300 00	1,300 00
	Contingencies	200 00	200 00
	Senior Taxing Officer	2,150 00	2,150 00
	Junior do	1,700 00	1,700 00
	Judges' Library	500 00	500 00
	Court of Appeal—		
	Assistant Registrar and Clerk of Election Court	1,300 00	1,500 00
	Usher and Messenger	800 00	800 00
	Contingencies	600 00	600 00
	Secretary to Judges	800 00	800 00
	High Court—		
	Clerk of the Process	1,400 00	1,400 00
	Printing Writs, Forms, etc	300 00	300 00
	Contingencies	50 00	50 00
	Clerk of Assize	1,200 00	1,200 00
	Contingencies	50 00	50 00
	Central Office—		
	Clerk of the Crown	2,500 00	2,500 00
	Clerk of Records and Writs	1,550 00	1,550 00
	Judgment Clerk	1,200 00	1,200 00
	Clerk	1,400 00	1,400 00
	Clerk	1,000 00	1,000 00
	Clerk	1,000 00	1,000 00
	do	850 00	850 00
	do	700 00	700 00
	do	800 00	800 00
	do	800 00	800 00
	Messenger	300 00	300 00
	Housekeeper and Messenger	700 00	700 00
	Two assistants	648 00	648 00
	Messenger	600 00	600 00
	Housekeeper	350 00	350 00
	Assistant Housekeeper	400 00	400 00
	Contingencies	1,020 00	1,020 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries aud Expenses. 1904.	1905.
19	*Registrar's Office*—		
	Senior Registrar and Referee of Titles	2,100 00	3,000 00
	Junior Registrar	2,000 00	2,000 00
	Clerk	1,200 00	1,200 00
	do	1,500 00	1,500 00
	Usher and Sentographer to Judges	800 00	800 00
	do	600 00	700 00
	do and Stenographer	600 00	600 00
	Contingencies	400 00	400 00
	Weekly Court—		
	Registrar and Clerk of Weekly Court (exclusive of $400 paid from surplus interest fund)	1,850 00	1,600 00
	Registrar and Clerk of Weekly Court (arrears of salary for 1904)		183 00
	Contingencies	50 00	50 00
	Exchequer Division—		
	To cover *re* arrangements	1,500 00	700 00
	Usher and Stenographer		
	Surrogate Court, Surrogate Judges, Local Masters, etc.—		
	Surrogate Clerk	2,000 00	2,000 00
	do	800 00	800 00
	Stenographer, half time	225 00	225 00
	Contingencies	250 00	250 00
	Judges of Surrogate upon commutation of fees	14,351 00	15,351 00
	Local Masters upon commutation of their fees	11,450 00	11,762 00
	Allowance to Crown Attorney, Toronto, upon commutation of fees (63 Vic., chap. 17)	3,500 00	3,500 00
	Division Courts—		
	Inspector	1,800 00	1,800 00
	Assistant Inspector	1,300 00	1,300 00
	Clerk	1,050 00	1,050 00
	do	500 00	500 00
	Travelling expenses and contingencies	1,000 00	1,200 00
	Deputy Clerks of the Crown	17,550 00	17,550 00
	do do as Local Registrars	7,100 00	7,300 00
	Land Titles Office—		
	Master of Titles	3,000 00	3,000 00
	Chief Clerk	1,050 00	1,050 00
	Clerk	800 00	850 00
	do	750 00	750 00
	Registration and Index Books	150 00	150 00
	Stationery and contingencies	100 00	100 00
	Shelves and fitting	600 00	100 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICES.	Salaries and Expenses. 1904.	1905.
19	*Land Titles Office*—Continued.		
	Master at Sault Ste. Marie	731 70	460 80
	do Parry Sound	658 80	546 60
	do Bracebridge	318 15	323 55
	do Port Arthur	204 70	153 90
	do North Bay	646 80	728 90
	do Rat Portage	1,050 50	501 88
	do Gore Bay	50 00	100 00
	do F. Francis	400 00	400 00
	Registry and Index books	300 00	400 00
	Forms and other contingencies	400 00	400 00
	Travelling expenses	200 00	200 00
	Rent of office at Sault Ste. Marie for Local Master	87 64	87 64
	Books for Northern Division, Rainy River	100 00	
	Transfer Registration Southern Division Books (re-vote)	400 00	300 48
	Drainage Trials Act—		
	Salary of Referee	3,500 00	3,500 00
	Stenographer	900 00	900 00
	Contingencies	600 00	600 00
	Criminal Justice, District of Algoma—	150,617 29	153,267 75
	Sheriff's salary	1,400 00	1,400 00
	Clerk of the Peace and District Attorney	400 00	400 00
	Clerk of the District Court	600 00	600 00
	Magistrate at Sudbury	1,000 00	1,000 00
	Magistrate at Sault Ste. Marie	1,400 00	600 00
	Magistrate at Michipicoten, etc	1,000 00	1,000 00
	Magistrate at Thessalon		400 00
	Travelling expenses of Police Magistrate	300 00	300 00
	Administration of Justice, etc	9,010 00	9,010 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys, Surgeons	2,800 00	2,800 00
	Fuel for Gaol and Lock-ups	515 00	515 00
	Lighting and Water	325 00	325 00
	General Maintenance, Gaol Clothing, Groceries, etc	2,350 00	2,350 00
	District of Thunder Bay—	21,100 00	20,700 00
	Sheriff's salary	1,000 00	1,000 00
	House, fuel and light	250 00	250 00
	Clerk of the District Court	450 00	450 00
	Chief Constable	400 00	400 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
19	*District of Thunder Bay*.—Continued.		
	Police Magistrate at Fort William and West, including expenses...	1,000 00	1,000 00
	Police Magistrate at Port Arthur and East, including expenses...	1,000 00	1,000 00
	Clerk of the Peace and District Attorney.....	250 00	250 00
	Administration of Justice, etc.....	4,600 00	4,600 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys, Surgeons.....	3,000 00	3,000 00
	Fuel for gaol and lock-ups.....	600 00	600 00
	Lighting and water.....	300 00	300 00
	General maintenance, gaol clothing, groceries, etc...	1,500 00	1,500 00
		14,350 00	14,350 00
	District of Rainy River—		
	Sheriff's salary.....	1,000 00	1,000 00
	Registrar and Clerk of District Court...	700 00	700 00
	Clerk of the Peace and District Attorney.....	250 00	250 00
	Police Magistrate.....	750 00	750 00
	Police Magistrate for Mining Districts	800 00	800 00
	Travelling Expenses.....	300 00	300 00
	Administration of Justice...	3,650 00	3,650 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons...	3,900 00	3,900 00
	Fuel for gaol and lock-ups...	450 00	450 00
	Lighting and water.....	200 00	200 00
	General maintenance, gaol clothing, groceries, etc.....	1,800 00	1,800 00
		13,800 00	13,800 00
	District of Nipissing—		
	Sheriff's salary.....	750 00	750 00
	Clerk of the Peace and District Attorney.....	250 00	250 00
	Clerk of the District Court.....	450 00	450 00
	Stipendiary Magistrate for Southern Nipissing, salary.....	1,600 00	1,600 00
	Stipendiary Magistrate for Northern Nipissing, salary.....	750 00	750 00
	Administration of Justice, etc...	3,800 00	3,800 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons.....	4,500 00	4,500 00
	Fuel for gaols and lock-ups.....	1,100 00	1,100 00
	Lighting and water.....	300 00	300 00
	General maintenance, gaol clothing, groceries, etc.....	2,800 00	2,800 00
	Salary and expenses of Special Constable.....	500 00	500 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
19	*District of Nipissing.*—Continued.	1904.	1905.
	Police Magistrate, Temiskaming Railway and settlements	750 00	750 00
	do to cover travelling expenses	350 00	350 00
		17,900 00	17,900 00
	District of Muskoka—		
	Sheriff's salary	500 00	500 00
	Clerk of the Peace and District Attorney	250 00	250 00
	Clerk of the District Court	450 00	450 00
	Police Magistrate's salary and travelling expenses	500 00	500 00
	Administration of Justice	5,675 00	5,675 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons	900 00	900 00
	Fuel for gaol and lock-ups	150 00	150 00
	Lighting and water	75 00	75 00
	General maintenance, gaol clothing, groceries, etc	450 00	450 00
		8,950 00	8,950 00
	District of Parry Sound—		
	Sheriff's salary	500 00	500 00
	Police Magistrate	600 00	600 00
	Clerk of the Peace and District Attorney	250 00	250 00
	Clerk of the District Court	450 00	450 00
	Administration of Justice	4,550 00	4,550 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons	1,500 00	1,500 00
	Fuel for gaols and lock-ups	500 00	500 00
	Lighting and water	100 00	100 00
	General maintenance, gaol clothing, groceries, etc	600 00	600 00
		9,050 00	9,050 00
	Provisional County of Haliburton—		
	Police Magistrate for Haliburton and points north, including expenses	800 00	800 00
	Junior Judge, in lieu of travelling expenses holding courts	100 00	100 00
	Registrar of Deeds	200 00	200 00
	Administration of Justice	250 00	250 00
		1,650 00	1,650 00
	District of Manitoulin—		
	Sheriff	500 00	500 00
	Clerk of the Peace and District Attorney	250 00	250 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
19	*District of Manitoulin.*—Continued.		
	Salary of Registrar of Deeds and Master of Titles	600 00	600 00
	Salary of Clerk of District Court and Surrogate Court	450 00	450 00
	Administration of Justice	3,790 00	3,790 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons	800 00	800 00
	Fuel for gaol and lock-ups	235 00	235 00
	Lighting and water	25 00	25 00
	General maintenance, gaol clothing, groceries, etc	150 00	150 00
		6,800 00	6,800 00
	Provincial Police on Niagara and Detroit Rivers—		
	Administration of Justice	8,000 00	8,500 00
	Administration of Justice—Detroit River	3,500 00	3,500 00
		11,500 00	12,000 00
	Miscellaneous—		
	Crown Council prosecutions	8,000 00	8,000 00
	Administration of Criminal Justice	170,000 00	170,000 00
	Inspector of Legal Offices	2,000 00	2,000 00
	Clerk and Stenographer	1,200 00	1,200 00
	Travelling and other expenses	700 00	700 00
	Salaries of Inspectors of Criminal Investigation	4,550 00	4,550 00
	Accident Insurance policies for the inspectors	105 00	105 00
	Special Services	2,000 00	2,000 00
	To pay Sheriffs, Criers and Constables in attending Courts of Assize, Chancery and County Courts, Deputy Clerks of the Crown and Pleas attending Assizes, and their postages, etc	7,500 00	7,500 00
	Seals and other contingencies	300 00	300 00
	Litigation of constitutional questions	5,000 00	5,000 00
	Expenses of County Judges in grouped counties	1,200 00	1,200 00
	Judges travelling expenses *re* Ditches and Water courses Act	500 00	500 00
	Shorthand Reporters at the Assizes and Election Courts	11,300 00	11,300 00
	County Law Libraries (Circuit and County Judges)	1,200 00	1,200 00
	Expenses incident to weekly court at London and Ottawa	100 00	100 00
		215,655 00	215,655 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1605.
19	**Administration of Justice.**—*Concluded.*		
	Osgoode Hall Maintenance—		
	Fuel and light	5,000 00	5,000 00
	Salaries of Engineer, Fireman and Caretaker	1,780 00	1,780 00
	New steps and railing to main entrance	500 00	500 00
	Water	2,500 00	2,500 00
	Furniture and Incidentals	470 00	470 00
	Fittings for vaults and offices	1,000 00	1,000 00
	Appliances for fire protection, hose, etc	500 00	950 00
	Repairs to roof of Boiler House		600 00
	To pay outstanding accounts of 1904		1,928 00
		11,750 00	14,728 00
		483,122 29	488,850 75

IV. EDUCATION.

Amount to be voted, $1,198,340.51

20	Public and Separate School Education	513,638 44	531,358 06
21	High School and Collegiate Institutes	130,000 00	145,300 00
22	Departmental Library and Museum	10,100 00	12,983 33
23	School of Practical Science	46,835 00	67,485 00
24	Public Libraries, Art Schools, Literary and Scientific	66,050 00	57,250 00
25	Technical Education	25,000 00	25,000 00
26	Superannuated Public and High School Teachers	63,300 00	63,300 00
27	Provincial University and Mining Schools	133,880 98	195,632 12
28	Maintenance Education Department and Miscellaneous	13,487 81	14,700 00
	Transferred from Public Institutions M't'ce:		
29	Institution for the Deaf and Dumb, Belleville	50,609 00	50,503 00
30	Blind Institute, Brantford	34,624 00	34,829 00
20	**Public and Separate School Education. (Details.)**	1,087,525 23	1,198,340 51
	Aid from Municipalities Fund	3,033 44	2,768 06
	Public and Separate Schools, old districts	240,000 00	240,000 00
	Public and Separate Schools, new districts (including Poor Schools)	60,000 00	65,000 00
	Kindergarten Schools	3,250 00	3,250 00
	Night Schools	250 00	250 00

EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
20	**Public and Separate School Education.**	1904.	**1905.**
	Instruction in Agriculture and Horticulture in grouped rural schools	2,000 00	2,000 00
	Continuation Classes	20,000 00	20,000 00
	Model Schools (including reference books).	10,000 00	11,000 00
	French-English Training Schools	800 00	800 00
	Teachers' Associations	3,000 00	3,000 00
	Inspection of Public and District Schools	51,500 00	59,000 00
	Inspection of Separate Schools	5,100 00	5,100 00
	Inspection of Bilingual Schools	1,700 00	2,200 00
	Inspection of Model Schools	1,850 00	1,850 00
	Inspection of Technical Schools (from Technical Education)	.....	1,700 00
	Travelling expenses, Inspectors	3,200 00	3,500 00
	Stationery, postage and incidentals	1,400 00	1,400 00
	Examiners for Departmental Examinations	21,000 00	20,000 00
	Paper, postage and supplies for Examiners and Assistants	3,050 00	3,050 00
	Clerk of Examinations	1,000 00	1,000 00
	Assistant Clerk of Examinations (transferred from Education Department)	.....	900 00
	Printer	850 00	850 00
	Clerk (transferred to Education Department)	800 00	.....
	Clerk and Secretary Board of Examiners (from Education Department, in part).	500 00	1,600 00
	Registrar Education Department	1,800 00	1,800 00
	Stenographer (transferred to Education Department)	450 00	
	Normal and Model Schools, Toronto. Details (a)	28,545 00	29,380 00
	Normal and Model Schools, Ottawa. Details (b)	32,760 00	33,210 00
	Normal and Model Schools, London. Details (c)	15,800 00	16,750 00
	(a) Normal and Model Schools, Toronto.	513,638 44	531,358 06
	The Principal	2,500 00	2,500 00
	The Vice-Principal	2,000 00	2,000 00
	Drawing Master	1,000 00	1,100 00
	French Master	300 00	300 00
	Music Master	1,000 00	1,000 00
	Head Master of Model School	1,650 00	1,650 00
	Three assistants of Boys' Model School (4 for 1905)	4,200 00	4,275 00
	Head Mistress of Girls' Model School	1,000 00	1,000 00
	Four Assistants of Girls' Model School	3,275 00	3,150 00

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
20	**Normal and Model Schools, Toronto.**—*Con.*		
	Instructor in Calisthenics for Girls' Model School	500 00	500 00
	Instructor in Sewing	500 00	500 00
	Director of Kindergarten	1,000 00	1,000 00
	Assistant Director of Kindergarten	600 00	600 00
	Instructor of Manual Training	1,100 00	1,100 00
	Instructor of Household Science	600 00	600 00
	Head Gardener	600 00	600 00
	Assistant Gardener	450 00	450 00
	First Engineer	750 00	750 00
	Second Engineer	500 00	500 00
	Laborer, on grounds (2) one formerly paid from Maintenance)	450 00	900 00
	Janitor of Normal School (including cleaning (2)	810 00	870 00
	Janitor of Boys' Model School (including cleaning)	450 00	475 00
	Janitor of Girls' Model School (including Cleaning)	360 00	360 00
	Reference books and pictures	200 00	200 00
	Stationery, apparatus, chemicals and contingencies	1,000 00	1,250 00
	Text Books for Model School pupils	600 00	600 00
	Supplies for Kindergarten	150 00	150 00
	Domestic and Sanitary Science and supplies	1,000 00	1,000 00
	(b) Normal and Model Schools, Ottawa.	28,545 00	29,380 00
	The Principal	2,350 00	2,400 00
	Vice-Principal	2,000 00	2,000 00
	Drawing Master	1,000 00	1,000 00
	French Master	600 00	600 00
	Music Master	1,000 00	1,000 00
	Drill Instructor	200 00	200 00
	Head Master of Boys' Model School	1,550 00	1,550 00
	Three assistants of Boys' Model School	3,000 00	3,000 00
	Head Mistress of Girls' Model School	1,000 00	1,000 00
	Three Assistants of Girls' Model School	2,200 00	2,100 00
	Instructor of Calisthenics for Girls' Model School	750 00	750 00
	Director of Kindergarten	1,000 00	1,000 00
	Assistant Director of Kindergarten	600 00	600 00
	Instructor of Manual Training	1,000 00	1,000 00
	Instructor of Household Science	600 00	600 00
	Instructor of Sewing (including arrears)		500 00
	First Engineer and Gardener	650 00	650 00
	Second Engineer and Gardener	500 00	500 00
	Laborer on grounds	400 00	400 00
	Janitor Normal School (including cleaning)	500 00	500 00

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE	Salaries and Expenses. 1904.	1905.
20	**Normal and Model Schools, Ottawa.**—*Con.*		
	Caretaker	760 00	760 00
	Nightwatchman and fireman	450 00	450 00
	Reference Books and pictures	200 00	200 00
	Stationery, apparatus, chemicals and supplies	1,000 00	1,000 00
	Text books for Model School pupils	600 00	600 00
	Supplies for Kindergarten	150 00	150 00
	Domestic and Sanitary Science and supplies	1,000 00	1,000 00
	Maintenance.		
	Expenses of grounds	400 00	400 00
	Fuel and light	4,000 00	4,000 00
	Water	1,000 00	1,000 00
	Furniture, incidentals, snow-cleaning, etc.	1,800 00	1,800 00
	Improvement of grounds, etc	500 00	500 00
		32,760 00	33,210 00
	(c) Normal and Model Schools, London.		
	The Principal	2,500 00	2,500 00
	The Vice-Principal	1,950 00	2,000 00
	Drawing and Writing Master	250 00	250 00
	Music Master	250 00	250 00
	Kindergarten Teacher	100 00	100 00
	Drill, Gymnastics and Calisthenics	150 00	150 00
	Instructor Manual Training	1,000 00	1,000 00
	Instructor Household Science	350 00	350 00
	Stenographer and Clerk	450 00	450 00
	Engineer	600 00	600 00
	Caretaker	400 00	400 00
	Gardener	500 00	500 00
	Stationery, apparatus, chemicals and supplies	1,200 00	1,200 00
		.....	600 00
	Special Apparatus	400 00	400 00
	Reference books and pictures	1,500 00	1,500 00
	Payment to London School Board		500 00
	Supplies for Manual Training and Domestic Science	500 00	
	Maintenance.		
	Fuel, light, etc	2,000 00	2,000 00
	Water	500 00	500 00
	Furniture, incidentals, etc.	500 00	500 00
	Expenses of grounds, trees, etc	700 00	500 00
	Scrubbing, cleaning, cartage, etc.	.....	500 00
		15,800 00	16,750 00

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
21	**High Schools and Collegiate Institutes.**	1904.	1905.
	High Schools and Collegiate Institutes, including districts	107,000 00	110,000 00
	Military instruction, Cadet corps	2,700 00	2,800 00
	Purchase of sub-targets for Cadet Corps under contract of 1904	.....	12,500 00
	Two Inspectors of High Schools	5,500 00	5,500 00
	Travelling expenses	800 00	1,000 00
	Stationery, postage and incidentals	800 00	800 00
	Principal Ontario Normal College	3,000 00	3,000 00
	Vice-Principal	500 00	500 00
	Instructor Manual Training	1,000 00	1,000 00
	Instructor Household Science	600 00	600 00
	Clerical Services	250 00	250 00
	Printing and examinations	1,000 00	500 00
	Supplies for Manual Training and Domestic Science	1,000 00	1,000 00
	Grant to Normal College	4,500 00	4,500 00
	Contingencies and Library	350 00	350 00
	For special services, partly arrears	1,000 00	1,000 00
		130,000 00	145,300 00
22	**Departmental Library and Museum.**		
	Librarian and Historiographer	2,000 00	.....
	Historiographer	.....	2,000 00
	Librarian (from Education Department)	.....	1,500 00
	Superintendent of Museum	1,100 00	1,500 00
	Assistant Librarian	550 00	550 00
	Clerk	800 00	800 00
	Stenographer (paid previously from Expenses)	.....	450 00
	Postage and stationery	100 00	100 00
	Incidentals and purchases	650 00	600 00
	Binding books and periodicals	200 00	200 00
	Educational and technical books for reference	500 00	600 00
	Binding pamphlets, Library	200 00	100 00
	Museum, Archæological researches and collections	2,000 00	2,500 00
	Natural History collection, cases and supplies	1,000 00	1,000 00
	Services Dr. Brodie arranging collection, and arrears	1,000 00	1,083 33
		10,100 00	12,983 33

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
23	**School of Practical Science.**		
	(Revenue 1904, $28,516.60.)		
	Professor of Engineering and Principal	3,200 00	3,200 00
	do Geology	2,100 00	2,200 00
	do Applied Chemistry	1,900 00	2,000 00
	do Surveying	2,000 00	2,100 00
	do Architecture	2,000 00	2,100 00
	do Electrical Engineering	2,000 00	2,100 00
	Lecturer in Applied Mechanics	1,300 00	1,400 00
	do Mining (Professor)	1,700 00	1,800 00
	do Mechanical Engineering	1,400 00	1,500 00
	do Applied Chemistry	1,300 00	1,400 00
	do Physics	.....	1,200 00
	Demonstrator in Mechanical Engineering (Lecturer)	900 00	1,200 00
	do Electrical Engineering (Lecturer)	900 00	1,200 00
	do Chemistry	700 00	700 00
	do Applied Mechanics (Lecturer)	700 00	1,200 00
	do Drawing (Lecturer)	700 00	1,200 00
	do Electricity	.....	700 00
	do Mining	.....	700 00
	do Chemistry	.....	700 00
	Eleven Fellows	5,500 00	.....
	Fifteen Fellows	.....	7,500 00
	Registrar and Librarian	1,300 00	1,400 00
	Stenographer	350 00	400 00
	Messenger	150 00	150 00
	Attendant in Chemistry	600 00	700 00
	do Metallurgy	410 00	410 00
	do Drafting Room	300 00	350 00
	do Electrical Laboratory	300 00	300 00
	do Mining	300 00	350 00
	do Chemical Laboratory	.....	300 00
	Caretaker (Engineering Building)	800 00	900 00
	Attendant	.....	300 00
	Messenger	.....	150 00
	Caretaker (Chemistry and Mining Building)	.....	800 00
	Engineer and Machinist (Engineering Building)	900 00	1,200 00
	Assistant in Mechanical Laboratory	500 00	500 00
	Fireman and Stoker (Engineering Building)	450 00	600 00
	Fireman (Experimental Steam Plant)	.....	400 00
	Chief Engineer (Chemistry and Mining Building)	.....	1,200 00
	Assistant Engineer (Chemistry and Mining Building)	.....	800 00

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
23	**School of Practical Science.**—*Continued.*		
	Fireman (3) (Chemistry and Mining Building)	... ...	1,200 00
	Carpenter	700 00	750 00
	Chemical Laboratory	1,200 00	1,500 00
	Electrical do	500 00	700 00
	Assaying do	500 00	800 00
	Engineering do	500 00	900 00
	Surveying do	300 00	300 00
	Architecture	500 00	500 00
	Physics	...	300 00
	Printing, Advertising and Incidentals	2,500 00	2,500 00
	Maintenance.		
	Gas	350 00	600 00
	Fuel	1,400 00	5,000 00
	Water	250 00	300 00
	Electrical Current	400 00	400 00
	Furniture and neidentals	500 00	500 00
	Ground Rent	925 00	925 00
	General Repairs, Drains, Walks, etc	1,200 00	3,000 00
	Drafting Tables	450 00	... ...
		46,835 00	67,485 00
24	**Public Libraries, Art Schools, Literary and Scientific.**		
	Superintendent Public Libraries	1,700 00	1,700 00
	Clerk do	850 00	850 00
	Public Libraries	50,000 00	40,000 00
	Grant in Aid Reading Camps	500 00	500 00
	Travelling and rural school libraries	4,000 00	6,000 00
	Art Schools and Art Museum expenses	2,800 00	2,500 00
	Ontario Society of Artists	800 00	800 00
	Canadian Institute, Toronto	1,500 00	1,500 00
	Institute Canadien, Ottawa	400 00	400 00
	Ottawa Field Naturalist's and Scientific Societies	900 00	900 00
	Hamilton Scientific Association	400 00	400 00
	Astronomical Society, Toronto	300 00	300 00
	Provincial Historical Association (Ontario Historical Society)	600 00	600 00
	Lundy's Lane Historical Society	200 00	200 00
	Branch Associations (3)	300 00	300 00
	Women's Canadian Historical Society	100 00	100 00
	Middlesex and London Historical Society	100 00	100 00
	Special grant to Niagara Historical Society	500 00	.....
	Wellington Field Naturalists' Society	100 00	100 00
		66,050 00	57,250 00

EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
25	**Technical Education.**	1904.	**1905.**
	Technical Education, including grants. Summer schools, equipment, books, printing and other expenses...	25,000 00	25,000 00
26	**Superannuated Teachers.**		
	Annual retiring allowance to Teachers and Inspectors...	63,000 00	63,000 00
	Medical examination fees, printing, paper and incidentals.....	300 00	300 00
27	**Provincial University and Mining Schools.**	63,300 00	63,300 00
	University College—Ladies' Department...	600 00	600 00
	Agricultural Examination — University Degree B.S.A....	425 00	425 00
	Printing University Historical, Economic and other papers...	600 00	600 00
	Statutory Grant to University (60 Vic., cap. 59)...	7,000 00	7,000 00
	Grant from the sale of lands...	2,014 76	1,647 72
	University of Toronto (Sec. 16, cap, 41. I, Edw. VII.)...	42,449 50	48,013 33
	University of Toronto (unpaid balance 1903-4, re-vote)...	.....	2,433 19
	University of Toronto, estimated deficit... ...	33,791 72	46,090 34
	do (unpaid deficit 1903-4, re-vote)	.....	30,207 54
	do Botanical Collection (Macoun)	.....	400 00
	do Books from Kurschner's Collection and Historical Papers ...	.....	1,215 00
	School of Mining, Kingston...	37,000 00	37,000 00
	Convocation Hall, University of Toronto..	10,000 00	10,000 00
	Ottawa University on account of fire...	.....	10,000 00
28	**Maintenance Education Department and Miscellaneous.**	133,880 98	195,632 12
	Furniture and furnishings...	600 00	600 00
	Scrubbing, cleaning and supplies (Education Dept. and Toronto N. School)	.....	500 00
	Expenses of grounds...	1,000 00	1,200 00
	Fuel and light.....	3,500 00	4,000 00
	Water.....	1,000 00	1,000 00

EDUCATION.—*Continued.*

No. of Vote	SERVICE	Salaries and Expenses. 1904.	1905
	Education Department.—*Continued.*		
	Repairs, etc.	1,950 00	2,000 00
	Carpenter	600 00	600 00
	For proportion of cost of Minister's Report	1,000 00	1,500 00
	High and Public School Registers	1,500 00	1,500 00
	Printing Documentary History of Education	700 00	700 00
	Supplying School Act to Trustees, and contingencies	700 00	700 00
	Cost of Investigations (special law costs etc.)	637 81	400 00
	Dominion Teachers' Association	300 00	.....
29	**Institution for the Deaf and Dumb, Belleville, Ontario.**	13,487 81	14,700 00
	(Transferred from Public Institution Maintenance.)		
	(230 pupils.)		
	Salaries.		
	Superintendent and Principal	1,900 00	1,900 00
	Physician	600 00	600 00
	Bursar	1,000 00	1,000 00
	Matron and Housekeeper	500 00	500 00
	Teachers—Literary Department (15)	10,350 00	10,400 00
	Instructor Manual Training and Teacher	650 00	600 00
	Teacher Domestic Science	400 00	400 00
	Storekeeper, Clerk and Assistant Supervisor	600 00	600 00
	Engineer	600 00	600 00
	Stoker	300 00	300 00
	Farmer and Gardener	450 00	450 00
	Teamster	264 00	264 00
	Baker and Meat Cook	450 00	450 00
	Night Watchman and Stoker	324 00	324 00
	Foreman Carpenter and Assistant (2)	775 00	775 00
	Foreman Shoemaker	480 00	480 00
	Printing Instructor	550 00	550 00
	Messenger	216 00	216 00
	Cook	204 00	204 00
	Small Boys' and Girls' Nurses (2)	336 00	336 00
	Laundresses, Assistant Cooks, Housemaids, etc. (15)	2,195 00	2,304 00
	Supervisor of Boys	500 00	500 00
	Instructress in Sewing and Supervisor of Girls	350 00	350 00
	Stenographer and Clerk	400 00	400 00

EDUCATION—*Continued.*

No. of Vote.	SERVICE	Salaries and Expenses. 1904	1905
29	**Deaf and Dumb, Belleville, Ont.**—*Continued.*		
	Trained Nurse	365 00	400 00
	Temporary Assistance	150 00	150 00
	Expenses.	24,909 00	25,103 00
	Medicine and medical comforts	200 00	300 00
	Butchers' meat, fish and fowl	3,250 00	3,350 10
	Flour, bread, etc	1,500 00	1,500 00
	Butter and Milk	2,400 00	2,400 01
	Groceries	2,000 00	2,400 00
	Fruit and vegetables	600 00	600 00
	Bedding, clothing and shoes	700 00	700 00
	Lighting	1,000 00	1,050 00
	Fuel	6,750 00	6,750 00
	Laundry, soap and cleaning	650 00	650 00
	Furniture and furnishings	650 00	650 00
	Farm, feed and fodder	650 00	650 00
	Repairs and alterataions, ordinary	900 00	900 00
	Advertising, Stationery, Printing, Postage	600 00	600 00
	Books apparatus and appliances	650 00	600 00
	Unenumerated and Miscellaneous	1,000 00	1,000 00
	Sewage works, Chemicals, etc	500 00	400 00
	Water supply, under contract	900 00	900 00
	Extra expense, Nurses, etc	*1,000 00*	.....
		50,609 00	50,503 00
30	**Blind Institution, Brantford.**		
	(110 pupils.)		
	(Transferred from Public Institutions Maintenance.)		
	Salaries.		
	Principal	1,800 00	1,800 00
	Assistant Principal	1,200 00	1,200 00
	Physician	500 00	500 00
	Bursar and Storekeeper	1,100 00	1,100 00
	Matron	450 00	450 00
	Teachers (11)	4,900 00	4,850 00
	Trade Instructor	1,100 00	1,100 00
	Supervisor of Boys	.....	400 00
	Visitor's Attendant	167 00	168 00
	Carpenter	450 00	450 00
	Engineer	600 00	600 00
	Assistant Engineer	475 00	475 00
	Fireman in Winter, farm hand in Summer	360 00	375 00

EDUCATION—*Concluded.*

No. of Vote.	SERVICE	Salaries and Expenses. 1904.	1905.
30	**Blind Institute, Brantford.**—*Continued.*		
	Farmer and Gardener	500 00	500 00
	Teamster	350 00	350 00
	Porter and Messenger	260 00	260 00
	Baker	425 00	425 00
	Cooks (2)	344 00	348 00
	Maids (10)	1,298 00	1,300 00
	Laundresses (3)	510 00	508 00
	Nurses (2)	550 00	550 00
	Night Watchman	375 00	360 00
	Temporary assistance	350 00	350 00
	Expenses.	18,064 00	18,419 00
	Medicine and medical comforts	200 00	200 00
	Butchers' meat, fish and fowl	1,700 00	1,600 00
	Flour, bread and biscuits	600 00	500 00
	Butter and lard	1,100 00	1,100 00
	General groceries	1,400 00	1,400 00
	Fruits and vegetables	300 00	300 00
	Bedding, clothing and shoes	600 00	500 00
	Fuel	4,000 00	3,800 00
	Electric light and gas	800 00	800 00
	Laundry, soap and cleaning	350 00	350 00
	Furniture and furnishings	500 00	800 00
	Farm, feed and fodder	900 00	900 00
	Repairs and alterations	1,000 00	1,000 00
	Advertising, printing, stationery, postage	600 00	800 00
	Books, apparatus and appliances	800 00	800 00
	Unenumerated	1,000 00	1,000 00
	Pupils' sittings at the churches	200 00	100 00
	Rent and hydrants	160 00	160 00
	Water supply	350 00	300 00
		34,621 00	34,829 00

V. PUBLIC INSTITUTIONS MAINTENANCE.

Amount to be Voted $91,337.00.

31	Asylum for Insane,	Toronto	112 987 00	115 406 00
32	do	London	141 104 00	146 485 00
33	do	Kingston	88 361 00	92 809 00
34	do	Hamilton	131 018 00	134 875 00
35	do	Mimico	79 806 00	83 110 00
36	do	Brockville	88 571 00	92 369 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No of Vote.	SERVICE.	Salaries and Expenses.	
37	Asylum for Insane, Cobourg	27 211 00	26 622 00
38	do Penetanguishene	38 250 00	42 984 00
39	do Orillia	77 432 00	76 852 00
40	do Woodstock	.....	18 020 00
41	Medical Relieving Officer	1 000 00	1 000 00
42	Central Prison, Toronto	66 000 00	68 800 00
43	Mercer Reformatory, Toronto	31 475 00	31 995 00
	Institution for the Deaf and Dumb (*Transfered to Education Dept.*)	.....	.....
	Institution for the Blind (*Transfered to Education Dept.*)	.....	.....
		883 215 00	931 327 00
31	**Asylum for the Insane Toronto.** (745 Patients.)		
	Salaries.		
	Medical Superintendent	2 000 00	2 000 00
	Assistant Superintendent	1 300 00	1 300 00
	Second Assistant	1 050 00	1 050 00
	Bursar (besides allowance for rent)	1 400 00	1 400 00
	Bursar's Clerk	950 00	1 000 00
	Steward	750 00	850 00
	Storekeeper	1 000 00	900 00
	Engineer	840 00	800 00
	Stokers (3)	976 00	988 00
	Engine Driver for laundry	360 00	360 00
	Bricklayer and Mason	625 00	625 00
	Carpenters (2)	1 150 00	1 150 00
	Gardener	532 00	532 00
	Assistant Gardener	400 00	400 00
	Porter	276 00	288 00
	Baker	450 00	450 00
	Assistant Baker	250 00	250 00
	Butcher	.....	276 00
	Tailor	550 00	550 00
	Teamster and Messenger	276 00	288 00
	Night Watchers (4)	1 092 00	1 128 00
	Supervisors (8)	2 820 00	2 832 00
	Chief Attendants (2)	850 00	850 00
	Ordinary Male Attendants (18)	5 532 00	4 788 00
	Painter and Jobber	575 00	575 00
	Attendant Tradesman	550 00	550 00
	Stenographer	225 00	250 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Supervisors (8)	1 728 00	1 728 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
31	**Asylum for Insane, Toronto**—*Continued.*		
	Ordinary Attendants (20)	3 774 00	3 144 00
	Night Attendants (4)	696 00	660 00
	Trained Nurse	240 00	240 00
	Musical Instructress	240 00	240 00
	Cooks (6)	972 00	972 00
	Laundresses (7)	1 164 00	1 248 00
	Housemaids (3)	432 00	432 00
	Seamstress	168 00	168 00
	Dairymaid	144 00	144 00
	Expenses.	37,137 00	36 206 00
	Medicine and medical comforts	800 00	800 00
	Fuel	12 000 00	13 000 00
	Butchers' meat, fish and fowl	17 000 00	17 000 00
	Flour, meal, etc	4 000 00	5 000 00
	Butter	6 000 00	6 000 00
	Gas, oil and electricity	3 600 00	4 000 00
	Water supply	3 500 00	3 500 00
	Groceries	8 700 00	9 400 00
	Fruit and Vegetables	3 000 00	3 000 00
	Bedding, clothing and shoes	4 500 00	5 000 00
	Furniture and furnishings	2 000 00	1 500 00
	Laundry, soap and cleaning	1 500 00	1 800 00
	Farm and garden	550 00	500 00
	Feed and fodder	3 600 00	3 600 00
	Miscellaneous	1 700 00	1 700 00
	Repairs and alterations	2 500 00	2 500 00
	Printing, postage and stationery	900 00	900 00
		112 987 00	115 406 00
32	**Asylum for the Insane, London.** (1,078 patients).		
	Salaries.		
	Medical Superintendent	2 000 00	2 000 00
	First Assistant Physician	1 300 00	1 300 00
	Second Assistant Physician	1 100 00	1 100 00
	Third Assistant Physician	950 00	1 000 00
	Bursar	1 400 00	1 400 00
	Bursar's Clerk	800 00	800 00
	Storekeeper (including allowance for rent)	1 000 00	1 000 00
	Assistant Storekeeper	600 00	600 00
	Engineer	740 00	740 00
	Assistant Engineer	400 00	400 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904	1905
32	**Asylum for Insane, London**—*Continued:*		
	Salaries—Continued.		
	Second Assistant Engineer (including allowance for rent	420 00	420 00
	Engineer (Infirmary)	360 00	360 00
	Stokers (7)	2 000 00	1 860 00
	Bricklayer and plasterer	600 00	600 00
	Carpenters (2)	1 050 00	1 050 00
	Tailor	460 00	460 00
	Painter	420 00	420 00
	Gardener and steward	750 00	750 00
	Assistant Gardeners (2)	600 00	600 00
	Sewage-man	384 00	384 00
	Butcher (without board)	360 00	360 00
	Yardman	264 00	276 00
	Porter and Messenger	240 00	240 00
	Baker	350 00	450 00
	Assistant Baker	216 00	216 00
	Farmer	650 00	650 00
	Ploughman (2)	540 00	564 00
	Farm Night Watchman	264 00	276 00
	Chief Attendants (3)	1 200 00	1 200 00
	Supervisors (8)	2 604 00	2 664 00
	Ordinary Male Attendants (32)	8 365 00	8 312 00
	Bandmaster and Supervisor	360 00	360 00
	Cowman and Dairyman	276 00	288 00
	Laundryman	300 00	300 00
	Shoemaker	300 00	300 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Chief Attendant	250 00	250 00
	Trained Nurse	240 00	240 00
	Supervisors (8)	1 596 00	1 632 00
	Ordinary Female Attendants (36)	4 988 00	5 724 00
	Night Attendants (3)	540 00	540 00
	Cooks and Assistant Cooks (7)	1 200 00	1 200 00
	Laundresses (4)	720 00	732 00
	Housemaids (6)	888 00	888 00
	Dairymaid	144 00	144 00
	Tailoress and Seamstress (2)	360 00	360 00
	Typewriter and Portress (2)	325 00	395 00
	Housekeeper (Infirmary)	180 00	180 00
		45 854 00	46 785 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
32	**Asylum for Insane, London**——*Continued.*	1904.	1905
	Expenses.		
	Medicine and medical comforts	1,200 00	1,200 00
	Fuel	19,000 00	22,000 00
	Butchers' meat, fish and fowl	16,500 00	16,500 00
	Flour	6,500 00	8,500 00
	Butter	7,500 00	7,500 00
	Gas and oil	3,000 00	3,500 00
	Groceries	12,000 00	12,000 00
	Fruit and vegetables	1,000 00	1,000 00
	Bedding, clothing and shoes	13,000 00	12,000 00
	Furniture and furnishings	3,150 00	3,000 00
	Laundry, soap and cleaning	2,500 00	2,500 00
	Farm and Garden	2,000 00	2,000 00
	Feed and Fodder	1,200 00	1,000 00
	Miscellaneous	1,500 00	1,500 00
	Repairs and alterations	4,000 00	4,000 00
	Printing, postage and stationery	1,200 00	1,500 00
33	**Asylum for the Insane, Kingston.**	141,104 00	146,485 00
	(626 Patients.)		
	Salaries.		
	Medical Superintendent	2,000 00	2,000 00
	Assistant Physician	1,300 00	1,300 00
	Second Assistant Physician	1,000 00	1,000 00
	Bursar (with allowance for rent)	1,200 00	1,200 00
	Clerk (including $100 for rent)	850 00	850 00
	Steward	600 00	600 00
	Storekeeper	800 00	800 00
	Engineer	740 00	740 00
	Assistant Engineer	350 00	360 00
	Carpenter	550 00	550 00
	Baker	450 00	450 00
	Tailor	500 00	500 00
	Chief Attendant	400 00	400 00
	Supervisors (7)	2,340 00	2,388 00
	Attendants (20)	5,338 00	5,956 00
	Night Watchers (2)	540 00	564 00
	Farmer	550 00	550 00
	Gardener	475 00	475 00
	Butcher	300 00	300 00
	Stokers (4)	1,200 00	1,200 00
	Laundryman	290 00	300 00
	Stableman and Messenger	240 00	240 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
33	**Asylum for the Insane, Kingston**—*Continued*	1904.	**1905.**
	Salaries—Concluded.		
	Night Sewage man	240 00	240 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Supervisor Leahurst	.....	250 00
	Trained Nurse for Infirmary	240 00	240 00
	Musical Instructress	192 00	192 00
	Seamstress	156 00	144 00
	Supervisors (6)	936 00	972 00
	Attendants (16)	2,512 00	2,424 00
	Portress	144 00	144 00
	Cooks (2)	360 00	396 00
	Laundresses (2)	408 00	396 00
	Servants, Dairymaid, etc., (4)	760 00	588 00
		28,761 00	29,509 00
	Expenses		
	Medicines	800 00	800 00
	Butchers' meat, fish and fowl	11,500 00	12,500 00
	Butter	4,300 00	4,300 00
	Flour, bread, etc	4,600 00	4,500 00
	Fuel	13,000 00	13,000 00
	Gas and oil	500 00	500 00
	Groceries	7,000 00	7,000 00
	Fruit and vegetables	2,100 00	2,600 00
	Bedding, clothing and shoes	5,000 00	5,500 00
	Furniture and furnishings	2,000 00	3,500 00
	Laundry, soap and cleaning	1,300 00	1,300 00
	Printing, postage and stationery	1,000 00	1,100 00
	Farm and garden	1,500 00	1,200 00
	Feed and fodder	1,500 00	1,500 00
	Repairs	2,000 00	2,000 00
	Miscellaneous	1,500 00	2,000 00
		88,361 00	92,809 00
34	**Asylum for the Insane, Hamilton.**		
	(1,058 patients.)	1904.	**1905.**
	Salaries.		
	Medical Superintendent	2,000 00	2,000 00
	Assistant "	1,300 00	1,300 00
	Second Assistant Physician	1,100 00	1,100 00
	Third Assistant Physician	950 00	950 00
	Bursar	1,400 00	1,400 00
	Bursar's Clerk	850 00	900 00
	Storekeeper (including allowance)	1,050 00	1,050 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
34	**Asylum for the Insane, Hamilton**—*Con.*	1904.	1905.
	Salaries—Concluded.		
	Assistant Storekeeper	600 00	600 00
	Engineer	550 00	550 00
	Assistant Engineer at pump house	500 00	500 00
	Second "	300 00	300 00
	Stokers (5)	1,308 00	1,332 00
	Carpenters (2)	1,050 00	1,050 00
	Baker	450 00	450 00
	Assistant Baker	.....	350 00
	Gardener	500 00	500 00
	Assistant Gardener	360 00	360 00
	Porter and Gatekeeper	325 00	325 00
	Chief Attendant	850 00	850 00
	Night Watches	1,325 00	.....
	Supervisors (9)	2,892 00	2,976 00
	Male Attendants (25)	6,596 00	6,636 00
	Tailor	550 00	550 00
	Farmer	600 00	600 00
	Butcher (without board)	360 00	360 00
	Plowman	300 00	300 00
	Messenger and Stableman (2)	480 00	504 00
	Farm hand	240 00	264 00
	Laundryman	390 00	390 00
	Shoemaker	300 00	300 00
	Plowman	264 00	288 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Second Assistant Matron	240 00	240 00
	Chief Attendant (1)	240 00	240 00
	Trained Nurse	240 00	240 00
	Supervisors (10)	2,028 00	2,076 00
	Ordinary Female Attendants (27)	4,394 00	4,236 00
	Night Watches	864 00	.....
	Cooks (8)	1,104 00	1,452 00
	Laundresses (4)	708 00	696 00
	Housemaids (4)	576 00	576 00
	Seamstresses (2)	384 00	384 00
	Stenographer	400 00	400 00
		42,018 00	40,375 00
	Expenses.		
	Medicines and medical comforts	1,000 00	1,000 00
	Fuel	20,000 00	23,000 00
	Butchers' meat, fish and fowl	14,500 00	14,500 00
	Flour, bread, etc	6,800 00	7,300 00
	Butter	8,000 00	8,000 00
	Lighting	4,000 00	4,000 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
34	**Asylum for the Insane, Hamilton.**—*Con.*	1904.	1905
	Expenses—Continued.		
	Groceries	10,000 00	10,000 00
	Fruit and vegetables	1,000 00	1,500 00
	Bedding, clothing and shoes	7,000 00	7,000 00
	Laundry, soap and cleaning	1,700 00	1,700 00
	Furniture and furnishings	2,500 00	2,500 00
	Farm and garden	2,000 00	2,000 00
	Feed and fodder	1,000 00	1,000 00
	Repairs and alterations	2,800 00	2,800 00
	Miscellaneous	1,500 00	1,500 00
	Water Supply	4,000 00	5,500 00
	Printing, postage and stationery	1,200 00	1,200 00
		131,018 00	134,875 00
35	**Asylum for Insane, Mimico.**		
	(640 patients).		
	Salaries.		
	Medical Superintendent	2,000 00	2,000 00
	Assistant Physician	1,300 00	1,300 00
	2nd do	900 00	900 00
	Bursar (with allowance for rent)	1,300 00	1,300 00
	Bursar's Clerk	650 00	650 00
	Storekeeper	750 00	750 00
	Steward	700 00	700 00
	Farmer and Assistant	764 00	800 00
	Engineer at main building	600 00	600 00
	Engineer at pump house	500 00	500 00
	Assistant Engineer	360 00	360 00
	Electrician	.....	360 00
	Attendant at sewage works	276 00	288 00
	Carpenter	450 00	360 00
	Jobber and Carpenter	180 00	240 00
	Bricklayer and Mason	500 00	500 00
	Baker	450 00	450 00
	Shoemaker	350 00	350 00
	Firemen (4)	900 00	1,116 00
	Male Supervisors (6)	2,172 00	2,256 00
	Male Attendants (17)	4,220 00	4,068 00
	Gardener	500 00	500 00
	Night Watches (2)	504 00	540 00
	Messenger	300 00	300 00
	Laundryman	300 00	300 00
	Butcher and Dairyman	270 00	300 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
35	**Asylum for the Insane, Mimico.**—*Continued.*	1904	1905
	Salaries—Continued.		
	Porter	150 00	150 00
	Plowman	252 00	264 00
	Stableman	264 00	276 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Supervisors (5)	948 00	1,034 00
	Attendants (16)	3,016 00	2,508 00
	Laundresses (4)	480 00	636 00
	Night Watches (2)	300 00	312 00
	Cooks (4)	590 00	720 00
	Tailoress	360 00	360 00
	Seamstress	180 00	180 00
	Housemaids (3)	470 00	432 00
		29 006 00	29 460 00
	Expenses.		
	Medicine and medical comforts	900 00	1,000 00
	Fuel	12,000 00	14,000 00
	Butchers' meat, fish and fowl	8,000 00	8,000 00
	Flour, meal, etc	4,000 00	4,000 00
	Butter	4,500 00	5,000 00
	Lighting	300 00	350 00
	Groceries	7,000 00	8,000 00
	Fruit and vegetables	600 00	500 00
	Bedding, clothing and shoes	4,500 00	5,000 00
	Furniture and furnishings	1,800 00	1,600 00
	Farm and garden	1,000 00	1,000 00
	Feed and fodder	500 00	500 00
	Printing, postage and stationery	1,000 00	1,000 00
	Laundry, soap and cleaning	1,500 00	1,500 00
	Miscellaneous	1,200 00	1,200 00
	Repairs and alterations	2,000 00	1,000 00
		79,806 00	83,110 00
36	**Asylum for Insane, Brockville.**		
	(679 patients.)		
	Salaries.		
	Medical Superintendent	1,900 00	1,900 00
	Assistant Superintendent	1,300 00	1,300 00
	Assistant Physician	850 00	950 00
	Bursar (with allowance for rent)	1,400 00	1,400 00
	Storekeeper	750 00	750 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
36	**m for the Insane, Brockville.**—*Con.*		
	Salaries—Continued.		
	Engineer	550 00	550 00
	Assistant Engineer	400 00	400 00
	Stokers (4)	1,008 00	1,044 00
	Carpenter	550 00	550 00
	Porter, etc	475 00	475 00
	Baker	450 00	450 00
	Tailor	500 00	500 00
	Night watch (2)	540 00	564 00
	Chief Attendant	400 00	400 00
	Supervisors (6)	2,208 00	1,956 00
	Ordinary Male Attendants (16)	4,214 00	4,080 00
	Laundry man (formerly attendant)	300 00	300 00
	Farmer	550 00	550 00
	Farm Hand	.....	240 00
	Gardener	450 00	450 00
	Butcher	360 00	300 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Chief Attendant	250 00	250 00
	Supervisors (6)	1,164 00	1,200 00
	Ordinary Attendants (14)	2,386 00	2,196 00
	Night " (2)	324 00	348 00
	Cooks (3)	540 00	540 00
	Laundresses (3)	540 00	564 00
	Housemaids (2)	288 00	288 00
	Seamstress	180 00	180 00
	Dairymaid	144 00	144 00
	Stenographer	200 00	250 00
		25,971 00	25,869 00
	Expenses.		
	Medicine and medical comforts	700 00	800 00
	Fuel	13,100 00	17,000 00
	Butchers' meat, fish and fowl	10,000 00	10,000 00
	Flour, meal, etc	4,700 00	4,700 00
	Butter	4,500 00	4,500 00
	Lighting and oil	3,000 00	3,200 00
	Water supply	2,000 00	2,000 00
	Groceries	8,000 00	8,000 00
	Fruit and Vegetables	2,000 00	2,000 00
	Bedding, clothing and shoes	4,500 00	4,500 00
	Furniture and furnishings	1,800 00	1,500 00
	Laundry, soap and cleaning	1,300 00	1,500 00
	Farm and garden	900 00	500 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
36	**Asylum for the Insane, Brockville.**—*Con.*	1904.	1905.
	Expenses—Continued.		
	Feed and fodder	1,500 00	1,500 00
	Miscellaneous	1,500 00	1,500 00
	Repairs and alterations	2,500 00	2,500 00
	Printing, postage and stationery	600 00	800 00
		88,571 00	92,369 00
37	**Asylum for Female Patients, Cobourg.**		
	(145 patients.)		
	Medical Superintendent	1 500 00	1 500 00
	Assistant do	600 00	600 00
	Bursar and Storekeeper (with rent allowance)	1 200 00	1 200 00
	Engineer	550 00	550 00
	Stokers (2)	900 00	900 00
	Carpenter	600 00	600 00
	Gardener	510 00	510 00
	Baker	550 00	550 00
	Matron	500 00	500 00
	Chief Female attendant	225 00	216 00
	Supervisors (3)	564 00	600 00
	Female Attendants (6)	1 124 00	1 032 00
	Night Watch (1 male)	300 00	300 00
	do (female)	.....	144 00
	Cooks (2)	350 00	324 00
	Laundresses (2)	350 00	360 00
	Seamstress	168 00	168 00
	Housemaids (2)	240 00	288 00
	Porter	180 00	180 00
		10 411 00	10 522 00
	Expenses.		
	Medicine and medical comforts	200 00	200 00
	Fuel	3 300 00	3 300 00
	Meat, fish, fowl	2 200 00	2 000 00
	Flour, meat, bread, etc	1 200 00	1 000 00
	Butter	1 100 00	1 000 00
	Lighting	750 00	650 00
	Groceries	2 000 00	2 000 00
	Fruit and vegetables	700 00	700 00
	Bedding, clothing, shoes	700 00	700 00
	Furniture and furnishings	500 00	500 00
	Farm and garden	250 00	200 00
	Feed and fodder	200 00	100 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905
37	**Asylum for Female Patients, Cobourg**---*Con.*		
	Expenses—Continued.		
	Printing, postage, stationery	300 00	300 00
	Laundry	500 00	500 00
	Water	500 00	600 00
	Miscellaneous	2 000 00	2 000 00
	Repairs and alterations	400 00	400 00
		27 211 00	26 622 00
38	**Asylum for the Insane, Penetanguishene.**		
	(250 patients.)		
	Salaries.		
	Medical Superintendent	1,800 00	1,800 00
	Assistant to the Superintendent	900 00	900 00
	Bursar	1,000 00	1,000 00
	Storekeeper	750 00	750 00
	Engineer	600 00	600 00
	Assistant Engineer and Night Watch	450 00	450 00
	Stoker	360 00	360 00
	Carpenter	600 00	600 00
	Farmer	500 00	500 00
	Gardener	450 00	450 00
	Stableman	240 00	240 00
	Baker and Butcher	500 00	500 00
	Laundryman	360 00	360 00
	Messenger and Dairyman	400 00	400 00
	Male Supervisor	360 00	360 00
	Male Attendants (8)	1,200 00	1,992 00
	Matron	500 00	500 00
	Chief Female Attendant	250 00	250 00
	Stenographer	260 00	260 00
	Seamstress	180 00	180 00
	Cooks (3)	492 00	504 00
	Laundresses (2)	360 00	360 00
	Female Supervisors (2)	396 00	408 00
	Female Attendants (11)	1,152 00	1,716 00
	Housemaid	144 00	144 00
		14,204 00	15,584 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904	1905
38	**Asylum for Insane, Penetanguishene.**—*Con.*		
	Expenses.		
	Medicine and medical comforts	.....	500 00
	Fuel	.....	4,000 00
	Meat, fish, fowl	.....	3,000 00
	Flour, bread, etc	.....	2,500 00
	Butter	.....	2,500 00
	Electric lighting and oil	.....	1,000 00
	Water	.....	900 00
	Groceries	.....	3,000 00
	Fruit and vegetables	24,046 00	1,500 00
	Bedding, clothing, shoes	.....	1,200 00
	Furniture and furnishings	.....	1,100 00
	Laundry, soap and cleaning	.....	1,000 00
	Farm and garden	.....	500 00
	Feed and fodder	.....	1,200 00
	Repairs and alterations	.....	1,000 00
	Printing, postage, stationery	.....	500 00
	Miscellaneous	.....	2,000 00
		38,250 00	42,984 00
39	**Asylum for Feeble Minded, Orillia.** (694 patients.)		
	Salaries.		
	Medical Superintendent	2,000 00	2,000 00
	Assistant Physician	900 00	900 00
	Bursar	1,300 00	1,300 00
	Storekeeper	950 00	950 00
	Engineers (2)	1,100 00	800 00
	Assistant Engineer	.....	336 00
	Gardener	450 00	450 00
	Baker	450 00	450 00
	Tailor	400 00	400 00
	Chief Attendant	400 00	400 00
	Supervisors (2)	672 00	696 00
	Night Watches (2)	600 00	600 00
	Ordinary Male Attendants (13)	3,612 00	3,468 00
	Messenger, Porter and Stable-keeper (2)	496 00	540 00
	Laundryman	300 00	300 00
	Carpenter	600 00	450 00
	Farmer	450 00	450 00
	Stokers (3)	900 00	900 00
	Matron	500 00	500 00
	Assistant Matron	300 00	300 00
	Stenographer and Teacher	.....	400 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
39	**Asylum for Feeble Minded, Orillia.**—*Con.*	1904	1905.
	Salaries—Continued.		
	Teachers and Industrial Instructors (3)	1,400 00	1,200 00
	Ordinary Female Attendants (12).....	1,882 00	2,040 00
	Night Attendants (2).....	312 00	336 00
	Cooks (3).....	444 00	516 00
	Laundresses (3).....	492 00	528 00
	Housemaids (8).....	1,152 00	1,152 00
	Seamstress (3).....	576 00	756 00
	Dairymaid.....	144 00	144 00
		22,782 00	23,262 00
	Expenses.		
	Medicines and medical comforts.....	500 00	500 00
	Fuel.....	9 000 00	10 000 00
	Butchers' meat, fish and fowl.....	8 000 00	8 000 00
	Flour, bread, etc.....	4 800 00	5 000 00
	Butter.....	5 100 00	5 500 00
	Light.....	1 500 00	700 00
	Water.....	.....	740 00
	Groceries.....	4 500 00	4 500 00
	Fruit and vegetables.....	1 650 00	1 650 00
	Bedding, clothing and shoes.....	7 000 00	7 000 00
	Laundry, soap and cleaning.....	2 000 00	2 000 00
	Furniture and furnishings.....	1 500 00	1 200 00
	Farm and garden.....	500 00	500 00
	Feed and fodder.....	1 800 00	1 500 00
	Repairs.....	4 500 00	2 500 00
	Miscellaneous.....	1 500 00	1 500 00
	Printing, postage and stationery.....	800 00	800 00
		77 432 00	76 852 00
40	**Asylum for Epileptics, Woodstock.**		
	(80 patients.)		
	Salaries.		
		per annum.	eight months.
	Physician.....	1,500 00	1,000 00
	Medical Superintendent..... .	750 00	500 00
	Bursar and Storekeeper..... ...	1,000 00	667 00
	Engineer.....	500 00	333 00
	Stokers (2).....	504 00	336 00
	Carpenter.....	400 00	267 00
	Gardener.....	400 00	267 00
	Farmer.....	450 00	300 00
	Baker, Butcher and Dairyman (1)	400 00	267 00
	Messenger.....	240 00	160 00
	Supervisor (male).....	360 00	240 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.		Salaries and Expenses.	
40	**Asylum for Epileptics, Woodstock.**—*Con.*		1904.	1905.
	Salaries—Continued.			
	Male attendants (3)	768 00		542 00
	Nightwatch	240 00		160 00
	Matron	400 00		267 00
	Supervisor (female)	216 00		144 00
	Female attendants (3)	504 00		386 00
	Cooks (2)	336 00		224 00
	Laundresses (2)	336 00		224 00
	Seamstress	168 00		112 00
	Housemaids (1)	192 00		128 00
	Typewriter and Portress	144 00		96 00
				6,620 00
	Expenses.			
	Medicines and medical comforts			150 00
	Fuel			2,000 00
	Meat, fish, fowl			1,000 00
	Flour, bread, meal, etc			500 00
	Butter			600 00
	Groceries			900 00
	Fruit and vegetables			250 00
	Lighting			500 00
	Water			500 00
	Bedding, clothing, shoes			300 00
	Furniture and furnishings			500 00
	Farm and garden			400 00
	Feed and fodder			400 00
	Laundry, soap, etc			300 00
	Printing, postage and stationery			600 00
	Repairs and alterations			500 00
	Miscellaneous			2,000 00
				18,020 00
41	Medical Relieving Officer		1,000 00	1,000 00
42	**Central Prison, Toronto.**			
	(400 Prisoners.)		1904	1905
	Salaries.			
	Warden (with allowance)		2,000 00	2,000 00
	Deputy Warden		1,200 00	1,200 00
	Bursar		1,300 00	1,300 00
	Physician		950 00	950 00
	Clerk and Prison Librarian		950 00	950 00
	Steward and Storekeeper		800 00	800 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904	1905
42	**Central Prison, Toronto.**—*Continued.*		
	Salaries—Continued.		
	Accountant (one-half charged to Industrial Department)	500 00	500 00
	Sergeant Guard	900 00	900 00
	Guards (28)	13,500 00	14,050 00
	Carpenter	600 00	600 00
	Gardener	750 00	750 00
	Engineer	800 00	800 00
	Cook and Baker	700 00	700 00
		24,950 00	25,500 00
	Expenses.		
	Hospital expenses and medicines	500 00	500 00
	Butchers' meat and fish	8,100 00	9,000 00
	Flour, bread and meal	4,000 00	5,000 00
	Groceries	4,500 00	5,000 00
	Bedding, clothing and shoes	7,500 00	7,500 00
	Fuel	3,000 00	3,000 00
	Gas and oil	1,000 00	2,000 00
	Water Supply	650 00	1,000 00
	Laundry, soap and cleaning	2,000 00	2,000 00
	Stationery, advertising, printing and postage	650 00	650 00
	Library, schools and expenses of religious services	750 00	750 00
	Furniture and furnishings	700 00	700 00
	Stable forage, vegetable farm, etc	1,500 00	1 500 00
	Grounds	700 00	700 00
	Repairs and insurance	2,000 00	2,000 00
	Unenumerated	3,500 00	2,000 00
		66,000 00	68,800 00
43	**Andrew Mercer Reformatory for Females.**		
	(151 inmates.)		
	Salaries.		
	Superintendent	1,000 00	1,000 00
	Deputy Superintendent	600 00	600 00
	Principal of Refuge	750 00	750 00
	Stenographer	350 00	350 00
	Physician	800 00	800 00
	Bursar	1,100 00	1,100 00
	Chief Attendant	.....	275 00
	Cook	.....	200 00
	Teachers (7)	2,100 00	2,100 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904	1905
43	**Andrew Mercer Reformatory for Females.—** *Continued.*		
	Salaries—Continued.		
	Attendants (8)	2,200 00	1,520 00
	Housekeeper	.....	200 00
	Carpenter and Storekeeper	600 00	700 00
	Engineer	600 00	600 00
	Assistant Engineer	550 00	600 00
	Night Watch	550 00	550 00
	Messenger	450 00	450 00
	Gardener and assistant	650 00	650 00
	Stable and Caretaker	400 00	400 00
		12,700 00	12,845 00
	Expenses.		
	Hospital, expenses and medicine	200 00	200 00
	Butchers' meat and fish	1,700 00	1,700 00
	Flour, bread and meal	1,150 00	1,300 00
	Groceries, bread and butter	2,700 00	2,900 00
	Bedding, clothing and shoes	2,300 00	2,300 00
	Fuel	2,500 00	2,600 00
	Lighting	850 00	850 00
	Laundry, soap, cleaning and water	1,350 00	1,350 00
	Stationery, advertising, postage, etc	450 00	450 00
	Library, schools and lectures	575 00	600 00
	Furniture and furnishings	950 00	900 00
	Grounds and Garden	600 00	600 00
	Repairs	900 00	800 00
	Unenumerated	1,000 00	1,000 00
	For manufacturing operations	1,100 00	1,150 00
	Feed and forage	450 00	450 00
		31,475 00	31,995 00

VI. COLONIZATION AND IMMIGRATION.

Amount to be voted, $24,275.00.

44	Colonization purposes, pamphlets and advertising	9,500 00	15,000 00
	Agent in Liverpool	2,365 00	2,365 00
	Clerk	600 00	600 00
	Travelling expenses	300 00	300 00
	Printing and contingencies	800 00	1,500 00
	Office rent and expenses, including fuel, stationery, etc	760 00	760 00
	Towards securing farm laborers	3,000 00	1,000 00
	Land guides for assisting veterans in locating lands	2,000 00	2,000 00
	Rent and maintenance of office at Union Depot, Toronto	.....	750 00
	(From contingencies in 1904.)		
		19,325 00	24,275 00

VII. AGRICULTURE

Amount to be voted, $333,443.00.

No. of Vote.	SERVICE.	Salaries and Expenses. 1904	1905.
45	Special Grants for agricultural purposes...	215,945 00	198,660 00
46	Ontario Agricultural College...	84,977 00	70,373 00
47	Macdonald Institute.....	12,000 00	23,000 00
48	Forestry.....	3,500 00	3,500 00
49	Experimental farm and feeding.....	17,233 00	9,945 00
50	Field Experiments...	7,795 00	7,845 00
51	Experimental Dairy.....	13,725 00	4,027 00
52	Central Dairy School.....	10,124 00	5,195 00
53	Poultry Department...	2,410 00	1,960 00
54	Horticultural Department...	6,747 00	7,988 00
55	Mechanical Department...	900 00	950 00
		375,356 00	333,443 00
45	*Agricultural and Horticultural Societies—*		
	Grants, as provided by Agriculture and Arts Act...	78,110 00	78,110 00
	Expert Judges at Fairs.....	4,000 00	6,000 00
	Superintendent's office, services and contingencies.....	1,000 00	2,000 00
		83,110 00	86,110 00
	Live Stock—		
	Cattle Breeders' Association... . . .	2,500 00	.....
	Swine Breeders' Association.....	2,500 00	.....
	Sheep Breeders' Association...	2,500 00	.....
	Poultry Associations...	2,000 00	.....
	Provincial Winter Fair (Guelph).....	.....	5,500 00
	Eastern Live Stock and Poultry Show	3,500 00	4,300 00
	Sales of Pure Bred Stock.....	1,000 00	1,000 00
	General Expenses, salaries, office work, etc...	.....	3,200 00
	Horse Breeders Association...	2,000 00	2,000 00
	Registrar of Live Stock.....	1,500 00	1,500 00
		17,500 00	17,500 00
	Dairy—		
	Dairymen's Associations...	8,000 00	4,000 00
	Dairy Instruction.....	11,000 00	19,000 00
	Eastern Dairy School (Gross expenditure in 1904, net in 1905).....	12,250 00	6,000 00
	Western Dairy School...	3,400 00	3,000 00
		34,650 00	32,000 00
	Fruit, Honey and Insects—		
	Fruit Growers' Association...	1,800 00	1,800 00
	Experimental Fruit Stations...	3,100 00	4,000 00
	Cold Storage, experiments, plans, etc.	2,500 00	2,500 00
	Fruit, Flower and Honey Show... ...	1,000 00	1,200 00
	Fruit Institutes.....	1,000 00	1,000 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
45	*Fruit, Honey and Insects.*—Continued.	1904.	1905.
	Bee Keepers' Association and Inspection	1,100 00	1,100 00
	Entomological Society	1,000 00	1,000 00
	San Jose Scale, Spraying, etc	8,000 00	4,000 00
		19,500 00	16,600 00
	Institutes—		
	Grants to Farmers' Institutes	4,000 00	4,000 00
	Lecturers, services and expenses	9,500 00	9,000 00
	Women's Institutes, grants, lecturers, etc	3,000 00	5,000 00
	Superintendent, accountant and contingencies		3,000 00
		16,500 00	21,000 00
	Bureau of Industries—		
	Printing forms, extra services in compiling statistics, printing and distributing bulletins, reports, etc	5,500 00	5,500 00
		5,500 00	5,500 00
	Ontario Experimental Union	1,500 00	2,000 00
	Pioneer Farm (Net in 1905, Gross in 1904)	2,000 00	1,000 00
	Sugar Beet Association	500 00	500 00
	Office Equipment, typewriters, adding machines	835 00	450 00
	Incidentals—		
	Sundry services in connection with Agricultural work : Printing and distributing reports and bulletins, special investigations, Agricultural instruction, travelling expenses and contingencies not otherwise provided for	16,000 00	16,000 00
	Short Course in Stock Judging	200 00	
	Meteorological Instruments	100 00	
	Winter Fair Building, Ottawa	6,000 00	
	Dairy Building, Western Fair, London	10,000 00	
	Winter Fair Building, Guelph	250 00	
	Port Arthur and Fort William Exhibition	1,800 00	
	Total Special Grants for Agriculture	215,945 00	198,660 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905
46	**Agricultural College, Guelph.**		
	President	2,000 00	2,000 00
	Professor of Dairy Husbandry	1,700 00	1,800 00
	do Physics and English	1,700 00	1,800 00
	do Biology, Curator of Museum	1,700 00	1,800 00
	do Animal Husbandry	2,000 00	2,000 00
	do Field Husbandry (Transferred from Field Expts.)	1,900 00	2,000 00
	do Horticulture	1,600 00	1,700 00
	do Bacteriology	1,600 00	1,700 00
	do Chemistry	1,600 00	1,700 00
	do Veterinary Science (Part Time.)	1,000 00	1,100 00
	Lecturer in Chemistry	1,200 00	1,300 00
	do Animal Husbandry	1,200 00	1,100 00
	do Biology	1,100 00	1,100 00
	do Physics (Demonstrator last year)	800 00	1,100 00
	do Field Husbandry (Demonstrator last year, half year	500 00	1,100 00
	do Forestry	.....	1,100 00
	Demonstrator in Biology	800 00	800 00
	do Chemistry	800 00	900 00
	do Bacteriology	800 00	900 00
	do Horticulture	800 00	900 00
	Manager of Poultry Department and Lecturer	1,200 00	1,300 00
	Dean of Residence	700 00	700 00
	Teacher in French and German, Assistant Librarian	700 00	800 00
	Second Assistant in Library	400 00	450 00
	Teacher in Drill and Gymnastics	300 00	300 00
	President's Secretary, Assistant in Residence	800 00	800 00
	Lecturer in Apiculture	400 00	200 00
	Stenographer	400 00	450 00
	Stenographic Assistance, 4 Depts	300 00	412 00
	Bursar and Superintendent	1,500 00	1,500 00
	Bursar's Clerk	550 00	700 00
	Clerk and Stenographer	350 00	450 00
	Matron	500 00	500 00
	Physician (Part Time)	500 00	600 00
	Engineer	800 00	850 00
	Painter	600 00	600 00
	Baker	.....	600 00
	3 Stokers	1,260 00	1,300 00
	Night Watchman	396 00	396 00
	Janitor	396 00	420 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905
46	**Agricultural College, Guelph.**—*Continued.*		
	Messenger	360 00	360 00
	Temporary Assistance	750 00	1,000 00
	2 Janitors looking after 6 Laboratories and Massey Hall	.....	600 00
	Student Labor	5,000 00	5,000 00
	Expenses and Maintenance	42,962.00	48,188 00
	Meat, fish, and fowl	6,500 00	6,500 00
	Bread, biscuits, and flour	1,200 00	1,200 00
	Groceries, butter, and fruit	6,500 00	6,500 00
	Laundry soap, and cleaning	400 00	400 00
	Women servants, cooks, laundresses, for boarding house	2,200 00	2,500 00
	Advertising, printing, postage, and stationery	2,000 00	2,500 00
	Maintenance of four laboratories, chemicals, etc	1,830 00	2,000 00
	Expenses of Short Courses in Stock Judging and Poultry raising	300 00	600 00
	Travelling Expenses, outside lectures, etc.	500 00	700 00
	Library and Reading Room, books, papers, and fittings	2,000 00	2,000 00
	Scholarships (ten)	100 00	100 00
	Telephone service, messages, etc	260 00	260 00
	Unenumerated	1,000 00	1,000 00
	Furniture and furnishings	1,500 00	1,500 00
	Fuel and Light	10,000 00	10,000 00
	Sewage disposal, labor, chemicals, etc	500 00	500 00
	Repairs and alterations	1,800 00	1,800 00
	Engine room supplies	600 00	600 00
	School assessment	125 00	125 00
	Extra lectures	.....	400 00
	Balance of salary Prof. of Agriculture 1903	400 00	
	Smallpox outbreak, special	2,300 00	
		84,977 00	89,373 00
	Estimated revenue from fees and board	.....	19,000 00
			70,373 00
47	**Macdonald Institute and Hall.**		
	Salaries, supplies, and sundry expenses	12,000 00	
	Salaries		13,000 00
	Bread, meat, groceries, furnishings, and repairs		10,000 00
	Fuel		3,000 00
	Laundry, advertising, library, books, etc.		1,500 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
47	**Macdonald Institute and Hall.**—*Continued.*		
	Engine room supplies		500 00
	Maintenance of different laboratories, nature study, etc		2,000 00
			30,000 00
	Estimated revenue		7,000 00
			23,000 00
48	**Forestry.**		
	Expenses in Farm Forestry	3,500 00	3,500 00
49	**Farm and Experimental Feeding Dept.**		
	Permanent improvements	250 00	400 00
	Wages, including foreman, herdsman, laborers and stenographers	3,850 00	4,560 00
	Purchase of livestock	8,000 00	6,000 00
	Maintenance of stock	1,900 00	1,800 00
	Seed	200 00	225 00
	Binder twine	65 00	65 00
	Repairs, blacksmithing, etc	700 00	800 00
	Tools and implements	300 00	400 00
	Furnishings	50 00	75 00
	Advertising, printing, stationery, etc	250 00	250 00
	Fuel and light	30 00	20 00
	Contingencies	350 00	350 00
	Experimental Feeder (Transferred to Wages)	408 00	
	Stenographer (Transferred to Wages)	130 00	
	Threshing machine	750 00	
	Estimated revenue, sale of stock, farm produce, etc	17,233 00	14,945 00
			5,000 00
			9,945 00
50	**Field Experiments.**		
	Permanent Improvements	800 00	700 00
	Foreman	700 00	750 00
	Specialist in plant breeding	700 00	800 00
	Assistant	600 00	600 00
	Stenographer	350 00	400 00
	Teamster	420 00	420 00
	Teamster (8 months)	280 00	280 00
	1 Laborer (4 months)	140 00	140 00
	Additional labor	2,200 00	2,200 00
	Seeds	435 00	450 00
	Manure and special fertilizers	140 00	140 00
	Furnishings, repairs, blacksmithing, etc	325 00	325 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
50	**Field Experiments.**—*Continued.*		
	Printing, postage, and stationery	135 00	135 00
	Implements	90 00	125 00
	New typewriter	100 00	.....
	Purchase of horse	180 00	180 00
	Contingencies	200 00	200 00
		7,795 00	7,845 00
51	**Experimental Dairy Dept.**		
	Permanent Improvements	600 00	300 00
	Foreman (9 months) rent allowance $100.00	530 00	560 00
	Experimental Cheesemaker (8 months)	450 00	400 00
	Experimental buttermaker (9 months)	.....	450 00
	Man to assist in experimental work (9 months) (8 months, 1904)	280 00 264 00	310 00 315 00
	Engineer (9 months) (8 months, 1904)	200 00	200 00
	Labor—milking, feeding stock, etc	432 00	480 00
	Cattleman		
	Milk for experimental cheese and butter making	8,000 00 600 00	10,000 00 600 00
	Purchase of Cows	650 00	650 00
	Feed and fodder	600 00	600 00
	Furniture, furnishings, repairs, etc	600 00	700 00
	Fuel and light	100 00	100 00
	Laboratory Expenses, gas, chemicals, etc		
	Stenographer and book-keeper (9 months), (8 months, 1904)	144 00 275 00	162 00 200 00
	Contingencies		
		13,725 00	16,027 00
	Estimated revenue, dairy products	.....	12,000 00
			4,027 00
52	**Dairy School.**		
	Permanent Improvements	300 00	300 00
	Wages of Instructors (3 months), Janitor (4 months)	1,849 00	1,745 00
	Cleaning, painting, repairs, etc	400 00	300 00
	Dairy appliances, separators, vats, etc	500 00	500 00
	Expenses cheese and butter judges	25 00	50 00
	Travelling expenses inspecting factories	50 00	50 00
	Books, magazines, papers, etc	50 00	50 00
	Advertising, printing, postage and stationery	200 00	200 00
	Fuel and light	600 00	600 00
	Purchase of milk for use in school	6,000 00	6,000 00
	Contingencies	150 00	100 00
		10,124 00	9,895 00
	Estimated revenue, dairy products		4,700 00
			5,195 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905
53	**Poultry Department.**		
	Temporary assistance...	450 00	500 00
	Permanent improvements...	100 00	100 00
	Purchase of stock...	125 00	135 00
	Furnishings, and repairs...	150 00	225 00
	Feed...	260 00	450 00
	Fuel and light...	200 00	200 00
	Experiments (Incubators, Fattening) ...	900 00	1,100 00
	Stenographer (part time)...		120 00
	Contingencies...	50 00	130 00
	Incubator Expts ...	100 00	
	Part cost of horse...	75 00	
		2,410 00	2,960 00
	Estimated revenue, poultry and eggs...		1,000 00
			1,960 00
54	**Horticultural Department.**		
	Permanent Improvements, Tool House ...	50 00	200 00
	Head Gardener and foreman...	750 00	800 00
	Florist...	650 00	700 00
	Assistant and night fireman...	450 00	450 00
	Teamsters, two...	672 00	840 00
	Assistant gardener, 6 months...		210 00
	Stenographer (Part time)...	75 00	88 00
	Laborers...	1,800 00	2,000 00
	Manure...	100 00	100 00
	Trees, plants, bulbs, and seeds...	300 00	500 00
	Implements, tools, furnishings, flower pots, repairs, etc...	400 00	600 00
	Fuel and light...	750 00	1,000 00
	Purchase of team...	400 00	
	Wax fruit models...	250 00	400 00
	Contingencies...	100 00	100 00
		6,747 00	7,988 00
	Note—Products, vegetables and fruits, supplied to College.		
55	**Mechanical Department.**		
	Salary of Foreman...	750 00	800 00
	Tools, fuel, and light...	150 00	150 00
		900 00	950 00

VIII. HOSPITALS AND CHARITIES.

Amount to be voted, $291,642.19.

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905
56	For Institutions, mentioned in Schedule "A" of Statutes	110,000 00	110,000 00
	For Institutions in Schedule "B"	65,363 58	67,290 88
	For Institutions in Schedule "C"	15,853 43	16,619 37
	For printing, stationery and other contingencies	300 00	300 00
	Industrial Schools	9,409 80	23,500 00
	do Arrears from last year		16,881 94
	Prisoners' Aid Association	2,500 00	2,500 00
	do do fowards debt		1,000 00
	Childrens' Aid Work	2,000 00	4,000 00
	Canadian Humane Society	250 00	250 00
	Victorian Order of Nurses in new districts	2,500 00	2,500 00
	Salvation Army Prison Gate Work	1,000 00	1,000 00
	Associated Charities		500 00
	Infants' Home and Infirmary	400 00	400 00
	Smallpox outbreaks and Sanitary Investigations	10,600 00	10,600 00
	Grant new Industrial School Building, Mimico (Revote)	10,000 00	5,000 00
	Grant for maintenance, boys formerly sent to Boys' Reformatory	4,000 00	800 00
	Grant St. John's Industrial School Building (Revote)	7,500 00	1,500 00
	County of Grey House of Refuge	4,000 00	
	Hospitals for Consumptives (free patients)	4,500 00	
	National Sanitarium for Consumptives		15,000 00
	County House of Refuge Halton		4,000 00
	do do Haldimand		4,000 00
	do do Victoria		4,000 00
		250,176 81	291,642 19

IX.—MAINTENANCE AND REPAIRS OF GOVERNMENT BUILDINGS.

Amount to be voted, $74,030.00.

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
57	Government House...	16,300 00	16,000 00
58	Parliament and Departmental Buildings.	56,245 00	$58,030 00
57	**Government House.**	$72,545 00	74,030 00
	Gardener and Caretaker...		
	Fireman and assistant gardener...		
	Assistant gardener...		
	Extra gardener...		
	Water.....		
	Gas.....	16,300 00	16,000 00
	Fuel...		
	Repairs.....		
	Furnishings.....		
	Contingencies...		
	Sidewalk around Government House... ...		
58	**Parliament and Departmental Buildings.**		
	Water and Fuel...	9,000 00	9,000 00
	Electric power and electric lighting.....	5,000 00	5,000 00
	Supplies, tools, etc., for engine room and general repairs.....	1,000 00	1,000 00
	Caretakers of grounds, repairs and cleaning of buildings, etc.....	7,000 00	7,000 00
	General Clerk of Works...	1,200 00	1,200 00
	Carpenter.....	750 00	750 00
	Plumber.....	900 00	900 00
	Mechanical Superintendent.....	1,100 00	1,100 00
	Engineer.....	1,200 00	1,200 00
	Assistant engineer and steam fitter...	720 00	720 00
	Firemen in boiler room (3)...	1,800 00	1,800 00
	Passenger elevator attendants (2)...	1,200 00	1,200 00
	Porters in charge of entrances and corridors (5)...	2,400 00	3,000 00
	Nightwatchmen (2)...	1,200 00	1,300 00
	Superintendent of grounds and gardens...	350 00	350 00
	Furnishings of Legislative Chamber and Speaker's apartments.....	250 00	2,000 00
	Attorney-General's Department, cleaning.	300 00	300 00
	do furnishings...	400 00	600 00
	Crowns Lands Department, cleaning.....	300 00	300 00
	do furniture.....	400 00	400 00
	do fittings for vaults...	4,500 00	3,000 00

IX. MAINTENANCE AND REPAIRS OF GOVERNMENT BUILDINGS.

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
58	**Parliament and Departmental Buildings.** —*Continued.*		
	Public Works Department, cleaning... ...	300 00	300 00
	do furniture.....	400 00	700 00
	do vault fittings...	.....	500 00
	Treasury Department, cleaning...	300 00	300 00
	do furniture...	400 00	700 00
	Provincial Secretary's Department, cleaning...	300 00	300 00
	Provincial Secretary's Department, furniture, etc...	400 00	700 00
	Provincial Secretary's Department, shelving Criminal Justice accounts branch.	150 00	150 00
	Provincial Secretary's Department, metal file cabinet, Public Institutions office	275 00	275 00
	Department of Agriculture, cleaning... ...	300 00	300 00
	do furniture, etc...	400 00	700 00
	For grounds and garden shrubs, etc... ...	500 00	500 00
	Uniforms for messengers, porters, etc.....	300 00	300 00
	Library fittings and shelving	500 00	500 00
	Painting corridors and offices...	2,000 00	3,000 00
	Inspection of Boilers, Public Institutions.	1,200 00	1,200 00
	Archivist's Department	1,050 00	800 00
	Heating Plant and Green House...	.....	500 00
	Plants and uniforms supplied by Central Prison.....	6,500 00	.....
	To pay outstanding accounts of 1904.....	.....	4,185 00
		56,245 00	58,030 00

X.—PUBLIC BUILDINGS.

Amount to be voted, $362,860.27

No. of Vote.	SERVICE.	To be voted for 1905.	
59	Public Institutions.....	45,094 63	124,874 37
60	Educational	5,576 6	15,079 63
61	Districts.....	500 00	11,735 00
	Re-vote included in above.....	31,171 27	311,689 00
	Expenditure on Capital Account new).....	260,873 00	
	Repairs.....	50,816 0	
		362,860 27	

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	New vote 1905	Re-vote
59	**Toronto Asylum.**		
	Repairs, drains, etc	500 00	
	Metal ceilings, main building	500 00	
	Re-building coal shed	1,450 00	
	Electric lighting	600 00	
	Boilers, renewal of and connections	900 00	
	Spray Bathing Appliances, 2 bath rooms	450 00	
	Laundry machinery, renewals	1,000 00	
	Exterior repairs and alterations	600 00	
	Furniture and furnishings	2,150 00	
	Mimico Asylum.		
	Repairs, drains, etc	300 00	
	Floor in kitchen	500 00	
	Improvements in water supply	5,000 00	
	Exterior repairs, etc	1,500 00	
	Interior repairs, etc	1,000 00	
	Fire protection	300 00	
	Furniture and furnishings	600 00	
	London Asylum.		
	Repairs, drains, etc	400 00	
	Boilers, renewals and heating	1,050 00	
	Laundry machinery	400 00	
	Renewal of slating roof of main building	800 00	
	Wire guards for balconies	200 00	
	Material for verandahs to wings, main building	600 00	
	Extension of coal cellar	1,200 00	
	Sidewalk (cement)	750 00	
	Fencing	400 00	
	Furniture and furnishings	700 00	
	Hamilton Asylum.		
	Repairs, drains, etc	400 00	
	Improvement in heating plant main building	500 00	
	Water service pipe renewals	2,000 00	
	Paint shop (to replace one destroyed by fire)	1,500 00	

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
59	**Hamilton Asylum.**—*Continued.*	
	Repairs to sewer	1,000 00
	Skating rink to complete (re-vote)	2,664 00
	Ash elevators	300 00
	Repairs to roofs and eaves	500 00
	Repairs to sidewalks and steps	1,250 00
	Interior repairs, etc	1,000 00
	Furniture and furnishings	1,400 00
	Kingston Asylum.	
	Repairs, drains, etc	400 00
	Renewal of locks to ward doors	275 00
	Rebuilding silos	600 00
	Plumbing renewals	500 00
	Fire hose	200 00
	Repairs to wharf	500 00
	Roof over cold storage building and ice house	350 00
	Boiler connections, repairs to pump and heating apparatus	400 00
	Pavilion for convalescents	500 00
	Furniture and furnishings	900 00
	Brockville Asylum.	
	Repairs, drains, etc	400 00
	Spray baths for 2 cottages	650 00
	Exterior repairs	600 00
	Weigh scales	500 00
	Completion of contract for repairs M. B	850 00
	Farm and garden, fencing, etc	1,250 00
	Furniture and furnishings	1,400 00
	Cobourg Asylum.	
	Repairs, drains, etc	300 00
	Improvements in laundry	100 00
	Root house, part re-vote	1,500 00
	Fire protection and engineers' supplies	300 00
	Fencing, re-vote	400 00
	Completion of Medical Superintendent's Residence (re-vote)	3,300 00
	Furniture and furnishings	1,000 00

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	Re-Vote.	New Vote. 1905.
59	**Woodstock Asylum.**		
	To complete contracts for main building and cottages, re-vote		11,700 00
	For the erection of two cottages for 80 patients		44,600 00
	For stable and coach house, re-vote		2,500 00
	Electric light transformers and fixtures, re-vote		1,150 00
	Fencing, roads and walks, re-vote (part)		3,000 00
	Workshop for patients		4,500 00
	Drainage and water supply, part re-vote		6,000 00
	Ventilation and Gegonstrom bathing apparatus, two cottages		3,000 00
	For Protection		500 00
	Kitchen utensils, etc		1 200 00
	Furniture and furnishings		11.000 00
	Farm and Garden		800 00
	Orillia Asylum.		
	Repairs, drains		300 00
	Improvements in bathing appartus, re-vote		1,000 00
	Boiler and engine connections and pipe covering		900 00
	Furniture and furnishings		1,750 00
	Farm and garden		600 00
	General Repairs		700 00
	Penetanguishene Asylum.		
	Repairs, drains, etc		500 00
	Addition to laundry building		1,800 00
	Laundry Machinery		600 00
	Improvements on cottages and outbuilding		1,350 00
	Greenhouse		1,200 00
	Fire hose		500 00
	Gasoline engine		250 00
	Farm and garden		1 000 00
	Furniture and furnishings		1,000 00
	Mercer Reformatory.		
	Repairs, roofs, etc		300 00
	Fire protection		180 00
	Farm and garden		400 00
	Exterior repairs and alterations		120 00
	Interior repairs and alterations		2 000 00
	Furniture and furnishings		180 00

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	Re-Vote. 1905.	New Vote. 1905.
59	**Central Prison.**		
	Repairs, roofs, drains, etc.....	300 00	
	Increased steam power for industries.....	5,000 00	
	Electric lighting...	2,000 00	
	Smoke consumers.....	750 00	
	Repairs to buildings.....	2,000 00	
			169,969 00
	Educational.		
60	**Normal and Model School, Toronto.**		
	Repairs, drains, etc.....	400 00	
	Surface drainage.....	250 00	
	Metal ceilings.....	550 00	
	Improvements in heating, re-vote...	1,011 00	
	Sidewalks Victoria, Gerrard and Gould streets...	1,660 00	
	Ventilation of the Normal School, part re-vote.....	3,500 00	
	Normal and Model School, Ottawa.		
	Improvements in lighting class-room... ...	200 00	
	Furniture and furnishings...	300 00	
	Repairs, drains, etc.....	300 00	
	Re-planking boys' and girls' play-ground. Model School.....	1,500 00	
	Renewals of w.c.'s and improvements in plumbing.....	1,600 00	
	Normal School, London.		
	Repairs, drains, etc.....	300 00	
	School of Practical Science.		
	Grounds, roads, sodding, etc...	3,800 00	
	To complete contract for new building and equipment.....	80,000 00	
	Equipment and Furniture—		
	Outstanding accounts...	3,861 75	
	Omission...	400 00	

PUBLIC BUILDINGS.

No. of Vote	SERVICE.	Re-vote New vote 1905
60	Chemistry—	
	To complete furniture and furnishings	1,057 00
	Compressed air and steam services	1,600 00
	Apparatus and glassware	3,300 00
	Electrochemical apparatus	3,025 00
	Mining and Metallurgy—	
	Additional equipment	9,015 00
	Geology—	
	Cases and furniture	1,715 00
	Mineralogy—	
	Cases and furniture, partitions, etc	600 00
	Electricity—	
	Apparatus	7,175 00
	Surveying Geodesy—	
	Apparatus and equipment	2,500 00
	Testing of Materials—	
	Apparatus	1,950 00
	Thermodynamics and Hydraulics—	
	Apparatus	1,805 00
	Optics—	
	Apparatus	455 00
	Architecture, statics and drawing tables	2,000 00
	Deaf and Dumb Institute, Belleville.	
	Electric fans for laundry and kitchen in main building	100 00
	Repainting walls of chapel, regraining seats, etc	250 00
	Engineer's tools, piping, elbows, valves, etc., for extension of steam heating and repairs	250 00
	Silver plating outfit, metal plates, batteries, polishing set, etc., installing same new industry for deaf boys	400 00
	Furniture, carpeting officer's quarters, part re-vote	450 00
	Rebuilding the two large refrigerators, cold storage, alteration of room and pipes, cement floor, etc	500 00
	Extraordinary wages of extra carpenter, painters, plasterers, etc	500 00
	Large kitchen stationary range in main building, kettles, etc	525 00

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE	Re-Vote.	New Vote. 1905.
60	**Deaf and Dumb Institute, Belleville.**—*Con.*		
	Extraordinary repairs, metal ceilings in officer's dining room, Bursar's office, upper hallway, repapering walls, painting, graining, etc., new ceilings in printing office and bakery		600 00
	Lumber, flooring, nails, paints, oils, etc., for buildings generally and grounds		600 00
	Repairs, drains, etc		300 00
	Repairs to main building		250 00
	Institute for Blind, Brantford.		
	Renewal of plumbing		200 00
	Porch to west entrance		450 00
	Improvements in plan of Assembly Hall, ceiling, etc		500 00
	Agricultural College.		
	Bathing appliances, main building		330 00
	Laying walks and grading Macdonald grounds		2,500 00
	Additional apparatus for four laboratories		1,800 00
	Two double frame cottages for farm men		3,000 00
	Building and equipment for farm mechanics (60 x 142) and implement demonstrations		25,000 00
	Changing boiler in engine room and ash elevator		650 00
	Enlarging water systems to accomodate Macdonald buildings		2,500 00
	Enlarging horse stable		900 00
	Dairy School, Kingston.		
	Repairs, drains, etc		200 00
	Unpaid accounts, 1904		1,771 52
	Equipment, furnishings, etc		300 00
			180,656 27

PUBLIC BUILDINGS.

No. of Vote	SERVICE.	New vote 1905	Re-vote
61	**Districts.**		
	Muskoka.		
	General repairs and furnishings.....	500 00	
	Parry Sound.		
	Repairs to furniture and c..... ...	300 00	
	Repairs to walls and reshingling roof and repairing eave-trough...	450 00	
	Nipissing.		
	House for gaoler Sturgeon Falls...	600 00	
	Kitchen for Gaoler at Sudbury.....	500 00	
	Repairs, furnishings, etc...	800 00	
	House for Gaoler to afford additional accomodation for prisoners...	3,500 00	
	Algoma.		
	Concreting floor, S. S. Marie Gaol...	235 00	
	Completion of lock-up at Nairn.....	300 00	
	General repairs to gaol and lock-ups and fittings.....	2,000 00	
	Thunder Bay.		
	General fittings, etc...	300 00	
	Fittings, for vault and Court House, Port Arthur...	450 00	
	Repairs to Gaol and Court House, Port Arthur...	1,400 00	
	Rainy River.		
	Repairs to Gaol and Court House, Rat Portage.....	600 00	
	Fittings for gaol and lock-ups	300 00	
			12,235 00

XI. PUBLIC WORKS.

Amount to be voted, $86,300.00.

No. of Vote.	SERVICE.	Re-vote. 1905.	New vote. 1905.
62	**Public Works.**		
	Removing rock obstructions Bar River, Township of McDonald...	.....	200 00
	Removing rock obstructions North River, Township of North Orillia...	.....	250 00
	Veuve River Bridge, ...	.....	800 00
	Bridge over Wright Creek, ...	.....	800 00
	Re-flooring bridge at Pine-wood...	.....	500 00
	Bridge at Calabogie...	.....	1,000 00
	Berriedale bridge	.....	900 00
	Severn River Bridge in Morrison, balance of half cost, Simcoe County to pay remainder.....	.....	850 00
	Bridge over West Arm, Lake Nipissing...	.....	1,000 00
	Hoodstown road bridge over Big East River.....	.....	1,200 00
	Maple Island Bridge, Magnetawan River.	.....	1,000 00
	Bridge at Rainy River...	.....	1,000 00
	To renew Swing Bridge over Canal, Mary's Lake	.....	1,100 00
	Superintendent Locks, Dams and Bridges..	.....	1,200 00
	Sleeman's Bridge.....	.....	1,200 00
	Indian Point Bridge...	.....	1,500 00
	Long Swamp Drainage works..... ...	1,500 00	.....
	Medonte Township drainage works...	1,800 00	.....
	McGregor Creek drainage works...	2,000 00	.....
	McIntyre Creek drainage works.....	.....	1,200 00
	To complete bridge at outlet Lake of the Woods to pay balance of costs.....	.....	2,000 00
	Bracebridge Bridge (conditional)	.....	7,000 00
	Silver Creek and Castor River drainage works...	2,400 00	.....
	Petite Castor and Amabel Creek drainage works...	2,700 00	.....
	Sturgeon River Bridge.	.....	2,500 00
	Snake River drainage works...	.....	2,700 00
	Cavan Township drainage works.....	3,000 00	1,000 00
	To renew cribbing above and below lock, Mary's and Fairy Lakes.....	.....	3,000 00
	Madawaska River Bridge, conditional	.....	3,000 00
	Surveys, Inspections, Arbitrations and Awards...	.....	2,000 00
	To renew high bridge above lock over Muskoka River...	.....	3,500 00

XI. PUBLIC WORKS.

No. of Vote.	SERVICE.	Re-Vote. 1905.	New Vote. 1905.
62	**Public Works.**—*Continued.*		
	Lockmasters, Bridge-tenders, and Caretakers' salaries		4,500 00
	Bridge over Portage Bay, Keewatin Bridge		5,000 00
	Peninsula Canal, renewing cribbing		5,000 00
	Mattawa Bridge		7,000 00
	Maintenance Locks, Dams and Bridges		9,000 00
		13,400 00	72,900 00

SUMMARY:—Re-vote included in above. 13,400 00
Expenditure on capital account new. 42,200 00
Expenditure for repairs and renewals 30,700 00
86,300 00

Total voted for 1904, $128,650.00.

XII. COLONIZATION ROADS.

Amount to be voted $166,300.00.

No. of Vote.	A.	To be voted for 1905.	
63	East Division	61,350 00	
	North Division	43,750 00	
	West Division	22,200 00	
			127,300 00
	General		39,000 00
			166,300 00
63	**East Division.**		
	Appleby township roads	400 00	
	Amable Du Fond bridge and approaches	500 00	
	Addington road, Kaladar North	900 00	
	Alice, 10 and 11 con. s. from lot 24 westward	300 00	
	Bexley, Laxton & Somerville township roads	1,000 00	
	Bonfield, cons. 8 and 9	150 00	
	Boulter, lots 30 and 31	300 00	
	Bridge at boundary, Dunnet and Cassimer	300 00	
	Broder, Dill and Long Lake road	600 00	
	Badgerow township, between lots 6 and 7	500 00	
	Badgerow township roads	800 00	
	Bear Creek bridge	300 00	
	Burton and Grant road	200 00	

XII. COLONIZATION ROADS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
63	**East Division.**—*Continued.*	
	Blezard, Hanmer and Capreol roads	1,500 00
	Bonfield, Boulter and Chisholm roads	300 00
	Bonfield, 10th concession	400 00
	Bonfield and North Bay roads	900 00
	Boulter and Chisholm roads	300 00
	Booth road in Anstruther	200 00
	Burleigh and Apsley road	900 00
	Bancroft and Coe Hill road	500 00
	Bancroft and Maynooth road	600 00
	Buchanan and Petewawa road	300 00
	Bells Rapids road	250 00
	Bonnechere River bridge, Admaston	400 00
	Brudenell and Hagarty town line road	400 00
	Brudenell, Lyndoch and Foymount road	400 00
	Battersea, Jones Falls and Morton road (S. Crosby	500 00
	Battersea road	250 00
	Bedford road to Scotch line	200 00
	Bell Rock and Verona road	200 00
	Bathurst and Althorpe road	250 00
	Burgess Narrows road	250 00
	Caldwell township road	500 00
	Cassimer township road	500 00
	Cameron township roads and bridges	600 00
	Chisholm roads	900 00
	Calvin township roads	800 00
	Corbeilles and Calendar, cons. 10 & 11, Ferris	150 00
	Chisholm and Ferris, 14th concession	500 00
	Chisholm, 10th and 20th side road	600 00
	Chisholm and Ferris, between 19 and 21	250 00
	Carden roads	500 00
	Cardiff, Dysart, Sherbourne & Stanhope roads	2,000 00
	Cavendish roads	200 00
	Cordova road	400 00
	Corunda Mine road	400 00
	California road to Tamworth	300 00
	Clarendon, Westport and Mississippi road	500 00
	Chalk River bridge	400 00
	Combermere and Barrys Bay road	500 00
	Carlow and Combermere road	300 00
	Dunnet township roads	600 00
	Dalton roads	500 00
	Eldon roads	300 00
	Field township roads	500 00
	Ferris, cons. 12, 13 and 16 road	350 00
	Ferris, cons. 4 and 8	300 00

XII. COLONIZATION ROADS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
63	**East Division.** —*Continued*	
	Ferris and Widdifield town line	200 00
	Ferris, 6 and 7	300 00
	Ferris road, between lots 20 and 21	400 00
	French line road	100 00
	Frontenac road in Olden	400 00
	Freeman's Mill road	200 00
	Gibbons township road	300 00
	Grant township road	200 00
	Garson township, 1st and 2nd concessiou	200 00
	Great Desert road, Bonfield	300 00
	Galway and Cavendish road	200 00
	Galway roads	300 00
	Golden Lake road, South Algona	300 00
	Gratton, 6th concession	400 00
	Hugel and Badgerow town line	500 00
	Hugel township roads	800 00
	Head, Clara and Maria road	400 00
	Harvey township roads	800 00
	Havelock and Cordova road	300 00
	Herschell and Faraday road	400 00
	Hinchinbrooke roads	300 00
	Hagarty, 8th concession	400 00
	Hyde, Chute and Sansen road	400 00
	High Falls and Hartington road	200 00
	Holleford and Desert Lake road	200 00
	Indian River bridge	400 00
	Jennings township roads	400 00
	Kirkpatrick township roads	600 00
	Lutterworth, Anson and Minden roads	1,200 00
	L'Amable Station and Fort Stewart road	800 00
	Long Lake and Opeongo road	250 00
	Loboro road, between lots 14 and 17, con. 8	200 00
	Martland and Cosby road	900 00
	Monetteville road	1,000 00
	McPherson township road	700 00
	Mattawa and Bonfield road	250 00
	Mattawa and Pembroke road	400 00
	Monmouth and Glamorgan roads	1,200 00
	Maynooth and Madawaska road	400 00
	McLean and California road	300 00
	Neelon, cons 5 and 6	300 00
	Nosbonsing Lake and Trout Lake road	200 00
	Nosbonsing station road	250 00
	Nosbonsing Lake and Corbeilles crossing	200 00
	North Bay, Ferris and Widdifield	200 00
	North Bay and Nipissing Junction road	300 00

VII. COLONIZATION ROADS.—*Continued.*

No. or Vote.	SERVICE.	To be voted for 1905.	
63	**East Division.**—*Continued.*		
	Narrows bridge approaches	200 00	
	North Buckhorn road	300 00	
	North Algona, 6th concession	250 00	
	Oak Lake road, in Methuen township	200 00	
	Opeongo road	400 00	
	Papineau township roads	600 00	
	Papineau, 12th concession	200 00	
	Papineau, 8th concession	250 00	
	Parham and Arden road, Addington	250 00	
	Petewawa, con. 16, lots 10 and 11	250 00	
	Parham and Arden road, Frontenac	500 00	
	Portland and Loboro road	300 00	
	Queens Line road	100 00	
	Quadville and Perrault roads	400 00	
	Ratter township roads	500 00	
	Renfrew and Adamston road	600 00	
	Springer township roads	800 00	
	Smoky Falls road	400 00	
	Smoky Falls and Grant road	200 00	
	Snider township bridge	400 00	
	Sudbury and Warren road	800 00	
	Stony Lake road in Dummer	200 00	
	Snow and Lavant road	500 00	
	South Algona roads	600 00	
	Stafford township district line	300 00	
	Sunbury and Inverary road	300 00	
	Sydenham Lake, east side road, Loboro	200 00	
	Victoria road, north of Victoria bridge	500 00	
	Victoria road, south of Uphill	400 00	
	Warren road in Dunnet	500 00	
	Warren and Crerar road	200 00	
	Widdifield, cons. 2 and 4	600 00	
	Wellington road in Chandos	200 00	
	Wallacetown, township road	300 00	
	Wilberforce, 5th proof line	150 00	
	Wilberforce, 10th and 15th concession road	300 00	
	Wilberforce 22nd concession	350 00	
	Wilberforce roads	500 00	
	Wylie township, 8th concession	300 00	
			61,350 00
	North Division.		
	Atwood and Spohn	1,000 00	
	Algoma Mills and Blind River	500 00	
	Ansonia road, Lefroy township	500 00	

XII. COLONIZATION ROADS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
63	**North Division.**—*Continued.*	
	Aweres township road	300 00
	Blue, Pratt and McCrosson road	1,000 00
	Barrie Island and Mills township	500 00
	Balfour Township road	500 00
	Bellingham and Iron Bridge road	500 00
	Blind River and Martain Lake road	500 00
	Blake township road	200 00
	Bright concession 5 to Iron Bridge	500 00
	Carpenter, 2nd con., lots 4 and 7	800 00
	Campbell township road	950 00
	Carnarvon and Tehkumah townships	700 00
	Cockburn Island townships	300 00
	Devlin and Burrows road	1,000 00
	Dilke and Nelles, sections 33 and 34	500 00
	Drury, Denison & Graham	600 00
	Day Mills and Dayton road	500 00
	Dryden to G. T. P.	1,000 00
	Eton Aubrey and Sanford road	500 00
	Espinola road	500 00
	Fort Frances and Emo road	1,000 00
	Fort William and Stanley road	2,000 00
	Gillies, con. 5	500 00
	Gordon and Allan roads	350 00
	Goulais Bay road	2,000 00
	Honora and Little Current road	700 00
	Howland and Bidwell township road	600 00
	Haviland and Fenwick township roads	400 00
	Isbester Station roads	500 00
	Kagawong and Gore Bay roads	750 00
	Korah township roads	400 00
	Lavallee and Burris roads	1,000 00
	Lake Wolsey road from bridge to Burpee	400 00
	Laird township roads	500 00
	Lefroy township, from sec. 14 to Coyne road	500 00
	Mather and Kingsford town line	1,000 00
	Morley and Ball road	500 00
	Morley and Pattullo town line	1,000 00
	Morley township road, section 10 and 15	1,000 00
	Meldrum Bay and Silverwater roads	750 00
	Macdonald, Meredith and Aberdeen	500 00
	Mellick and Jaffray roads	1,000 00
	Oliver, 7th concession road	400 00
	Plummer additional and Lefroy	300 00
	Prince township roads	500 00
	Paipoonge, from con. C east, between con. 1 and con. B	400 00

XII. COLONIZATION ROADS. —*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.	
63	**North Division.**—*Continued.*		
	Paipoonge, repairing Babcock bridges	150 00	
	Paipoonge bridge repairs	400 00	
	Paipoonge road, con. E and F	300 00	
	Paipoonge road, lots 15 and 16	300 00	
	Paipoonge road, con D	300 00	
	Paipoonge side road, lot 20 and 21	300 00	
	Rainy River road	1,000 00	
	Scoble township road	400 00	
	Sturgeon River bridge, Shenston	250 00	
	Sanfield and Tehkummah	500 00	
	St. Joseph Island roads	1,000 00	
	Spanish Station road	500 00	
	Silver Mountain road, con. i	300 00	
	Stanley Bridge, east	400 00	
	Stanley Bridge, south approach	200 00	
	Tait and Richardson road	1,000 00	
	Thessalon and Dayton, town line road	200 00	
	Third and Fourth concession road, Gladstone	300 00	
	Tarentorus township road	400 00	
	Victoria road to Sugar lake	500 00	
	Van Horne township road	500 00	
	Waters township to Nairn Village	750 00	
	Webbwood and Whitefish road	1,000 00	
	Webbwood and Massey road	500 00	
			43,750 00
63	**West Division.**		
	Armour, 21st side road	200 00	
	Ahmic Lake road, in Croft	200 00	
	Ahmic Harbor and Rae's Mills, in Croft	200 00	
	Armour Road, along 12th concession	200 00	
	Bethune, 10th side road and 8th concession	300 00	
	Balsam road, McKellar Tp	200 00	
	Byers' road, Nipissing township	300 00	
	Black stone road, Foley township	200 00	
	Beggsbury Mills to Rainy Lake, McMurrich	300 00	
	Booth Line road	800 00	
	Baxter and Gibson road	400 00	
	Cardwell, Watt, Humphrey road	400 00	
	Chaffey, Cardwell road	700 00	
	Christie township road	200 00	
	Christie road, 11th concession, Foley	200 00	
	Croft road and bridges between lots 30 and 31	300 00	
	Dilling Port road, township of Carling	200 00	
	Distress River road in Chapman	200 00	

XII. COLONIZATION ROADS. —*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
63	**West Division.** —*Continued.*	
	Draper, Ryde and Oakley road	850 00
	Dalton and Washago road	300 00
	Edgington & Orange Valley road, Christie Tp.	200 00
	Franklin, and Sinclair road	500 00
	Foley and Conger road	200 00
	Great North road, Maple Island to Bear River	300 00
	Great North road in Ferguson	200 00
	Golden Valley road bridge, con. 8, Pringle	400 00
	Hagerman, 8 and 9 concession	200 00
	Himsworth, con. 9, 23rd and 28th	400 00
	Little Doe Lake road, Croft Township	200 00
	McKenzie road, between lots 20 and 21	200 00
	McDougall, & Parry Sound road, McKellar Tp.	300 00
	McMurrich township roads	400 00
	McKellar township bridge at outlet of Lake Magnetawan	300 00
	Macaulay, McLean, Ridout roads	700 00
	Morrison, Muskoka, Medora, Wood roads	950 00
	Machar township roads	500 00
	Mills, Wilson, McConkey, Hardy & Patterson.	500 00
	Monteith and Parry Sound road	300 00
	Monteith township roads	400 00
	Matchedash road and bridges	600 00
	Muskoka road, Artrea North	400 00
	Nipissing road in Chapman and Lamb	200 00
	Neville road, McDougall township	200 00
	Northwest road in Shawanaga	200 00
	Nipissing township, between lots 15 and 16	300 00
	North road in Pringle township	200 00
	North Himsworth, 5th sideline and 4th con.	300 00
	Nipissing road, Seguin road to Cardwell	200 00
	Nipissing road in Spence township	200 00
	Otter Lake road, Foley	200 00
	Orange Valley road, Orrville to Seguin Falls	200 00
	Parry Sound road, Rosseau South	300 00
	Perry, 11th concession, road between lots 15 and 16	200 00
	Ryerson, concession 8 and 9	200 00
	Rosseau and Edgington road	200 00
	Stephenson and Watt road	800 00
	Stisted and Brunel road	600 00
	Stisted & McMurrich road	200 00
	Spence township side line between lots 20 and 21	300 00
	Strong township between con. 10 and 11	200 00
	Strong and Machar town line	200 00

XII. COLONIZATION ROADS. —*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.	
63	**West Division.**---*Continued.*		
	Still Creek bridge	500 00	
	Strong township con. 2, bridge	200 00	
	Trout Creek and Comanda Lake road, Gurd and Pringle	200 00	
	Tay and Severn road	300 00	
	Westphalia road, Trout Creek East	200 00	
	Wolfe River road, Hardy & Mills	300 00	
	White Oak Creek Bridge in Humphrey	300 00	
63	**General Purposes.**		22,200 00
	Temiskaming roads	20,000 00	
	New short roads and repairs	12,000 00	
	Inspection	6,000 00	
	To Pay balances	1,000 00	
			39,000 00

XIII. CHARGES ON CROWN LANDS.

Amount to be voted, $282,375.00.

		1904.	1905.
64	Expenditure on account of outside service and surveys	250,043 34	243,275 00
65	Expenditure on account of Mining Development	23,300 00	23,300 00
66	Expenditure on account of Parks	11 100 00	15,800 00
		284,443 34	282,375 00

Salaries and expenses.

64		1904.	1905.
	Board of Surveyors	200 00	200 00
	Agents' salaries and disbursements	26,000 00	26,000 00
	Balance of fees re Sale of Timber Berths	4,218 34	.....
	Forest ranging	28,000 00	28,000 00
	Forest reserves	8,000 00	8,000 00
	Temagami (additional) and New Mississaga Forest Reserve	13,000 00	13,000 00
	Fire ranging	40,000 00	40,000 00
	Special timber inspection	5,000 00	5,000 00
	Cullers' Act	200 00	200 00
	Prevention of export of saw logs and pulp wood	2,000 00	2,000 00

XIII. CHARGES ON CROWN LANDS.

No. of Vote.	SERVICE.	Salaries and Expenses. 1904.	1905.
	Timber Agencies :		
	Agents' salary (Quebec Agency)...	1,500 00	1,500 00
	Messenger and Caretaker.....	150 00	150 00
	Contingencies...	425 00	425 00
	Agent's salary (Ottawa Agency).....	1,250 00	1,250 00
	Clerk's Salary	900 00	900 00
	Contingencies...	650 00	650 00
	Surveys :		
	Surveys of Townships in new districts. *(Part re-vote)*....	85,000 00	85,000 00
	Maps, preparation of and engraving and printing same...	4,000 00	4,000 00
	Base and meridian lines	20,000 00	20,000 00
	Surveys of limits chargeable to limit holders...	2,500 00	2,500 00
	Special surveys in Mining Districts...	2,500 00	2,500 00
	Allowance to surveyors across height. of land, season of 1903..... ..	*2,050 00*	
	Survey of Temagami Islands.....	2,500 00	2,000 00
		250,043 34	243,275 00
65	**Mining Development.**		
	Provincial Geologist...	3,600 00	3,600 00
	Surveyor and Draughtsman, Rat Portage office.....	800 00	800 00
	Rent, expenses, stationery, etc...	400 00	400 00
	Inspection of Michipicoten Division.....	1,000 00	1,000 00
	Travelling expenses and assistance...	3,000 00	3,000 00
	Geologist and Mineralogist...	500 00	500 00
	Geological exploration of base lines..... ...	500 00	500 00
	Expenses assay office and assayer, Belleville	2,200 00	2,200 00
	Experimental treatment of ores...	600 00	600 00
	Collection of minerals, Parliament Buildings, and cases...	500 00	500 00
	Diamond drills, working expenses (percentage refunded by persons employing same)...	6,000 00	6,000 00
	To cover special services and unforseen expenses.....	3,000 00	3,000 00
	Summer Mining Schools...	1,200 00	1,200 00
		23,300 00	23,300 00

XIII. CHARGES ON CROWN LANDS.

No. of Vote.	SERVICE.	1904.	1905.
66	**Parks.**		
	Algonquin National Park—		
	To cover erection of shelter lodges, salaries of Superintendent and Rangers, transplanting fish, game animals and birds, administration of justice...	7,800 00	8,000 00
	Addition to headquarter's buildings		2,000 00
	Rondeau Provincial Park—		
	To cover salaries, Ranger and Assistant, extra ranger during shooting season, purchase of land for road. making and grading the same, game animals and birds, and other expenses	3,300 00	3,300 00
	To extend road, building, refectory, etc		2,500 00
		11,100 00	15,800 00

XIV. REFUND ACCOUNT.

Amount to be voted, $40,415.80.

67	Education	1,000 00	1,000 00
68	Crown Lands	18,500 00	37,287 10
69	Municipalities Fund	243 32	364 98
70	Land Improvement Fund	2,311 58	1,763 72
		22,054 90	40,415 80

		To be voted for 1904.
67	**Education.**	
	To pay withdrawals from Superannuation Fund	1,000 00
	Crown Lands.	
68	For payments made to the credit of the Department on account of uncompleted purchases, and afterwards returned to proposed purchasers on purchases not being carried out	7,500 00
	For two per cent. of timber dues payable to Municipalities for timber cut on road allowances	6,000 00
	Refund to settlers under the settlement of Free Grants Act of 1880	5,000 00
	Refund of moneys paid on account of Timber Sale, 1901, by J. E. Murphy re Block D. Pigeon River, contract having been cancelled by Order-in-Council, 31st January. 1905	18,787 10
		37,287 10

XIV. REFUND ACCOUNT.

No. of Vote.	SERVICE.		To be voted for 1905.	
69	**Municipalities' Fund.**			
	Amount collected in 1904	3,764 22		
	Less 20 per cent. for commission	752 84		
	Vide Stat. Can. 18 Vic. C. 2 and 19 Vic. C. 16	3,011 38		
	Balance at credit of fund 31st December, 1904.	121 66		
		3,133 04		
	To be added to grant to Public and Separate School (50 Vic. C. 5)	2,768 06		
			364 98	364 98
	To pay Widows' Pensions, 1904-5			
70	**Land Improvement Fund.**			
	Moneys collected from sales of Crown Lands subject to the Land Improvement Fund for the year ending 31st December, 1904	1,436 25		
	Less 6 per cent. for cost of collection and management ...	86 16		
	One-fifth to the Land Improvement Fund	1,350 09		
	Vide Stat. Can. 16 Vic. C. 157 and Con. Stat. Can. C. 26...	270 02		
			270 02	
	Moneys collected from the sale of Common School Lands subject to the Land Improvement Fund for the year ending 31st December, 1904	6,356 20		
	Less 6 per cent. for collection and management	381 37		
	To be distributed as follows.....	5,974 83		
	One-quarter to the Land Improvement Fund	1,493 70		
			1,493 70	
				1,763 72

XV. MISCELLANEOUS.

Amount to be voted. $209,700 00

No. of Vote.	SERVICE.	Salaries and Expenses.	
71			
	Collection of revenue for law stamps and licenses	3,000 00	3,000 00
	Expenses of election and election trials	10,000 00	90,000 00
	Ontario Rifle Association	1,000 00	1,000 00
	Ontario Artillery Association	500 00	500 00
	Canadian Military Institute, for printing historical papers	100 00	300 00
	Grant to York Pioneers	200 00	200 00
	Manhood Suffrage Registration	1,000 00	1,000 00
	Voters' lists	2,500 00	2,500 00
	To the widow of the late Jas. Martin, baker at Hamilton Asylum, killed by a patient	.....	600 00
	Gratuities	19,950 00	30,000 00
	Telephone services	4,000 00	5,000 00
	Removal of patients	7,000 00	7,000 00
	To cover expenses of arbitration with Canada and Quebec	5,000 00	5,000 00
	To pay bounty, destruction of wolves	2,000 00	2,000 00
	Fisheries—		
	Maintenance of patrol tug in northern lakes	4,000 00	4,000 00
	Salaries and disbursements of outside service, travelling expenses, printing, stationery, postage, legal and miscellaneous expenses and re-stocking	22,500 00	22,500 00
	Committee of House for Art Purposes	1,400 00	1,400 00
	United Empire Loyalists	200 00	200 00
	Forestry Association—Grant	300 00	300 00
	Enforcement of Game Protection Act—(Revenue $19,000)	6,000 00	10,000 00
	Statue — late Lieutenant-Governor (re-vote)	5,000 00	4,000 00
	Law Stamp Distributor, County York, salary and expenses	2,200 00	2,200 00
	Insurance—School of Practical Science	1,500 00	1,500 00
	Insurance on Osgoode Hall	1,300 00	1,300 00
	Insurance on Central Prison	.....	200 00
	Memorial South African Veterans (re-vote)	5,000 00	2,500 00
	Army and Navy Veterans	200 00	200 00
	R.M.C. Rifle Association	100 00	100 00
	Importation of Game Birds	1,400 00	1,400 00

VI. MISCELLANEOUS.---*Concluded.*

No. of Vote.	SERVICE.	1904	1905
71	Canadian Mining Institute, grant...	300 00	300 00
	Towards Expense of Railway Commission..	3,000 00	3,000 00
	Ministerial Association Rat Portage (prosecutions)...	400 00	400 00
	Enforcing Liquor License Act...	4,000 00	4,000 00
	City Firemen *re* fire Parliament Buildings.	200 00	.....
	Nightwatchman, Honorarium *re* fire Parliament Buildings	100 00	.....
	Re-printing Statutes, etc., on account of fire...	5,000 00	2,000 00
	Assistant King's Printer—extra work *re* fire account	.....	100 00
	Parliament Buildings, to cover damage by fire	900 00	.....
	Purchase Trinity Medical School...	12,000 00	.....
		133,250 00	209,700 00

XVI. UNFORESEEN AND UNPROVIDED

72	To meet unforseen and unprovided expenses	50,000 00	50,000 00
73	To defray the expenses of legislation, public institutions, maintenance and salaries of the officers of the Government and Civil Service for the month of January, 1906	80,000 00	80,000 00

SUPPLEMENTARY ESTIMATES.

1905.

Salary additional Member Executive Council	4,000 00
EDUCATION DEPARTMENT:	
Deputy Minister	100 00
Senior Clerk and Accountant	100 00
Clerk of Records	100 00
Clerk and Assistant Accountant	100 00
Clerk of Correspondence	50 00
Clerk of Statistics	50 00
Assistant Clerk of Records	50 00
Clerk and Stenographer	50 00
CROWN LANDS DEPARTMENT:	
Assistant Commissioner	250 00
Stenographer, Bureau of Mines	50 00
Stenographer, Colonization Branch	50 00
Stenographer, Lands Branch	50 00
Law Clerk	200 00
PUBLIC WORKS DEPARTMENT:	
Stenographer (Fisheries Branch)	50 00
TREASURY DEPARTMENT:	
Assistant Solicitor (Succession Duty Office)	1,000 00
Clerical work	500 00
PROVINCIAL SECRETARY'S DEPARTMENT:	
Assistant Secretary	200 00
INSPECTION PUBLIC INSTITUTIONS:	
First Class Clerk	100 00
Clerk and Messenger	50 00
Changes in system of Bookkeeping and special reports on the Industrial undertakings of the different Institutions	3,000 00
LICENSE BRANCH:	
Junior Second Class Clerk	50 00
PROVINCIAL BOARD OF HEALTH:	
Stenographer	450 00
INSURANCE BRANCH:	
Assistant Registrar Friendly Societies	100 00
First Clerk	50 00

NEGLECTED CHILDREN'S BRANCH:		
Superintendent and Inspector	300 00	
Stenographer	50 00	
DEPARTMENT AGRICULTURE:		
Assistant Secretary	100 00	
First Class Clerk and Minister's Secretary	100 00	
MISCELLANEOUS:		
Clerk (King's Printer)	50 00	
		11,350 00

75 LEGISLATION.

Law Clerk	200 00	
Bureau of Archives, securing documents, etc	1,000 00	
Assistant Postmaster	200 00	
House Messengers	100 00	
Printing Bills and distributing Statutes	1,000 00	
		2,500 00

76 ADMINISTRATION OF JUSTICE.

SUPREME COURT OF JUDICATURE:		
Judges' Library	200 00	
COURT OF APPEAL:		
Contingencies	450 00	
CENTRAL OFFICE:		
(2) Assistants	96 00	
REGISTRAR'S OFFICE:		
Usher	100 00	
do and Stenographer	100 00	
DIVISION COURT:		
Junior Clerk	100 00	
RAINY RIVER DISTRICT:		
Magistrate, Town of Rat Portage	600 00	
ALGOMA DISTRICT:		
Lock-up Keeper, Killarney	100 00	
Furnishings and supplies	50 00	
MISCELLANEOUS:		
Shorthand Reporter's Contingencies	1,200 00	
Salaries Inspectors Criminal Investigations	100 00	
		3,096 00

77 EDUCATION.

Printer	50 00	
Registrar Education Department	100 00	
Public Libraries, Clerk	50 00	

Library and Museum, Assistant Librarian	50 00	
Grant to Essex Historical Society	100 00	
Grant to Royal Astronomical Society	300 00	
Printing University Historical Papers (additional)	400 00	
Purchase of Text books by Schools	1,000 00	
Preparation of Catalogue for Museum	750 00	
Registrar and Librarian, School of Practical Science	100 00	
Women's Wentworth Historial Society	100 00	
Association of Chemical Industry	200 00	
TORONTO NORMAL AND MODEL SCHOOLS:		
Instructor in Household Science	50 00	
OTTAWA NORMAL AND MODEL SCHOOLS:		
Head Master, Boys' Model School	50 00	
MAINTENANCE EDUCATION DEPARTMENT:		
Painting iron fences	300 00	
INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE:		
Instructor of Manual Training	50 00	
Lady Teacher	50 00	
Engineer	50 00	
Stoker	60 00	
Night Watchman	36 00	
		3,846 00

78 PUBLIC INSTITUTIONS MAINTENANCE.

Third Assistant Physician, Hamilton Asylum		100 00

79 COLONIZATION AND IMMIGRATION.

Further sum for Immigration purposes	4,000 00	
Grant Women's Welcome Hostel	1,000 00	
		5,000 00

80 AGRICULTURE.

Director Manual Trining, Macdonald Institute, Guelph	200 00	
Vegetable Growers' Association	600 00	
Fruit, Flower and Honey Show (additional)	500 00	
Grant to Horse Fairs	1,000 00	
Wellington Dressed Meat and Cold Storage Building	500 00	
Port Arthur and Fort William Exhibition	1,800 00	
Winter Fair Building, Guelph	1,500 00	
		6,100 00

81 HOSPITALS AND CHARITIES.

Society for reclamation of Inebriates, dispensary purposes		300 00

82 MAINTENANCE AND REPAIRS.

REGISTRAR GENERAL'S BRANCH:		
Additional shelving	300 00	
CROWN LANDS DEPARTMENT:		
Vault fittings, etc	1,000 00	
		1,300 00

83 PUBLIC BUILDINGS.

PARLIAMENT BUILDINGS:	
Additional offices and fittings	4,000 00
NORMAL AND MODEL SCHOOL, OTTAWA:	
Fitting up two class rooms	450 00
Cement sidewalks in front of school property	725 00
LONDON NORMAL SCHOOL:	
Purchase of land	2,000 00
OSGOODE HALL:	
Radiators for heating vault, King's Bench and Common Pleas Divisions	100 00
INSTITUTE FOR BLIND, BRANTFORD:	
Repairs, drains, etc	300 00
Supplies for Engineer's Department	250 00
Farm and Garden	800 00
Educational appliances	450 00
Electrical bells and wiring	200 00
INSTITUTE FOR DEAF AND DUMB, BELLEVILLE:	
Cement sidewalks	500 00
To renew fencing	400 00
SCHOOL OF PRACTICAL SCIENCE:	
Connecting fume cabinets	5,900 00
LONDON ASYLUM:	
Balance due for Trebilcock Farm	11,000 00
Additional wire fencing	150 00
KINGSTON ASYLUM:	
Furniture and Furnishings for additional population	200 00
Improvement in lavatories	536 00
CENTRAL PRISON:	
Conservatory	750 00
Piano and two organs for religious services	650 00
MERCER REFORMATORY:	
Boundary fence	200 00
Additional laundry plant	1,500 00
RAINY RIVER DISTRICT:	
Improvement to Lock-up, Fort Francis	200 00
PARRY SOUND DISTRICT:	
Lock-up, South River	500 00

AGRICULTURAL COLLEGE:

Building double house for farm foreman and foreman of Department of Field Experiments	3,000 00	
Cases for new College Museum	650 00	
Ventilating Massey Hall and Library	400 00	
		35,811 00

84 PUBLIC WORKS.

Township of Finch—Payne River Bridges	2500 00	
Blind River Bridge, balance	61 97	
Martland Township Bridge	200 00	
McCarthy Creek Bridge	300 00	
Pottawatamie Drainage Works	500 00	
Removing obstructions from Maskanonge Creek	500 00	
South River Bridge	550 00	
Bridge at Baysville, to pay balance	900 00	
Wilson Island Bridge, Trent River	1,000 00	
Powassan Bridges	300 00	
		6,811 97

85 COLONIZATION ROADS.

Airy Township road	200 00	
Beaudreau and Gold Rock road	100 00	
Boulter township roads	300 00	
Broken Front and Mason road	300 00	
Bethune Con. 2 and 3 from Novar	200 00	
Darling Tp. south town line	200 00	
Lindsay and St. Edmund's Road	200 00	
Moore Lake and Dishwashie Road	300 00	
McIntyre and Neebing town line	200 00	
May Tp. 5th con. road	300 00	
Monk road, between Mara and Rama, east of Sebright	300 00	
Patton tp. road	300 00	
Plummer tp. 3rd con. road, Ottertail Lake, north	300 00	
Main Centre Road	200 00	
Rayside Tp. roads	500 00	
Road between con. 3 and 4, Galbraith tp	100 00	
Road through Dorian Tp.	500 00	
Snider Tp. road	400 00	
Snowden road	500 00	
Tamworth and Arden road	250 00	
Tarbutt road, between lots 4 and 5	500 00	
Tait and Mather town line	500 00	
Wells Tp. road and bridge	400 00	
Widdifield tp. roads	200 00	
White Lake road, Packingham tp.	200 00	
Roads in Manitoulin (equal grant to be paid locally)	750 00	
		8,800 00

86 CHARGES CROWN LANDS.

Additional Township Surveys	10,000 00	
Inspection of Surveys	4,000 00	
Additional Maps	1,500 00	
Survey of base lines and exploration Temagami Forest Reserve	4,000 00	
Additional Fire Ranging	16,000 00	
Mining Inspector—Temiskaming Mining Division — 9 months at $1,400.00 per annum	1,050 00	
Expenses do	200 00	
Rondeau Park Works	2,000 00	
		38,750 00

87 REFUND ACCOUNT.

Miscellaneous		500 00

88 MISCELLANEOUS.

Pedestal for Statue, late Lieutenant-Governor (Sir Oliver Mowat)	2,500 00	
Re-printing Statutes, etc,, on account of fire, April, 1904	6,000 00	
Army and Navy Veterans (Monument)	600 00	
Gratuity, Mrs. Wm. Edwards, widow late Wm. Edwards	1,000 00	
do W. P. Band, ex-Bursar, Boys' Reformatory	500 00	
do R. H. Stedman, ex-Asst. Warden, do	500 00	
do Mrs. Pierce, ex-Matron Kingston Asylum	250 00	
do Henry Wade	750 00	
do F. C. Law	1,200 00	
Balance gratuity Dr. T. F. Chamberlain	1,500 00	
Gratuity to widows of Messrs. Leclair and LaCelle, whose husbands were drowned while on Provincial Surveys $200 each	400 00	
Temagami Game and Fish Warden and launch	1,500 00	
Visit International Geological Society delegates (preliminary expenses)	500 00	
Eastern Good Goads Association	200 00	
		17,400 00

Total	$141,664 97

REPORT

OF THE

Commissioner of Crown Lands

OF THE

PROVINCE OF ONTARIO

For the Year

1904.

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
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1905.

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REPORT

OF THE

COMMISSIONER OF CROWN LANDS

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR

1904

To His Honour the Honourable William Mortimer Clark,
Lieutenant-Governor of the Province of Ontario:

May it Please Your Honour:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, a report for the year ending on the 31st December, 1904, of the management of the Crown lands of the Province.

Clergy Lands.

The area of Clergy lands sold during the year was 286 acres aggregating in value $160.25. The collection on account of these and former sales amounted to $3,764.22. (See appendix No. 3, page 5.)

Common School Lands.

The area of these lands sold during the year was 103 acres the value of which was $450. The collection on account of these sales and those of former years was $9,772.73. (See appendix No. 3, page 5.)

Grammar School Lands.

The area of these lands sold during the year was 521 acres for a sum of $504.12. The collection on account of these and sales in former years was $849.26. (See appendix No. 3, page 5.)

University Lands.

The area of these lands sold during the year was 2,731 acres for $2,175.61. The collection on account of these and sales of former years was $1,647.72. (See appendix No. 3, page 5.)

Crown Lands.

During the past year there were sold for agricultural purposes 72,781 acres for a sum of $47,044.41. The collections on account of these and sales of former years was $64,517.94. There were sold for mining purposes 3,440 acres for $8,321.80. There was collected on account of conversion of mining leases into patents $9,920.38. The collection on account of mining leases was $15,109.30. There were leases for mining purposes 11,002 acres at a rental of $10,762.06. The collection on account of these and former leases was $28,579.46. The total area of lands sold and leased during the year was 102,866 acres. The total collection on account of Crown Lands was $126,268.83.

The Temiskaming region has continued to attract the largest proportion of new settlers, the character of the country as a fine agricultural region being well established. The newly surveyed townships are reported to be level and well adapted for farming and many people took up land in them before they were opened for settlement. The construction of the Temiskaming and Northern Ontario Railway has opened up the country to the north of New Liskeard and the immediate extension to the proposed junction with the Grand Trunk Pacific will result in there soon being a continuous settlement from Montreal River to the junction of the two railways.

The Free Grant districts have continued to attract home-seekers, especially the Rainy River District. There were eight townships surveyed in this district during the past summer, the lands in which were all applied for as soon as the survey was complete.

The best lands in the older Free Grant districts have been taken up and the new locations are principally to sons and relatives of the old settlers. The branch of the Canadian Pacific Railway from Romford, on the main line, to Byng Inlet, is being rapidly carried on, and as soon as it is completed a considerable area of land in the western part of the Parry Sound District will, for the first time, be easily accessible. The construction of the Canadian Northern Railway west of the Muskoka chain of lakes will also open up a region hitherto without railway facilities.

The settlers in the newer parts of the Province are fairly prosperous, work being plentiful and markets for all kinds of produce excellent.

Military Grants.

During the year there were 1,610 certificates issued under I. Edward VII. Cap. 6, authorizing parties to select locations. This makes a total of 11,860 certificates issued to date. Location certificates, securing the land to the veteran for ten years from date of location, upon certain conditions, were issued to 2,040 veterans in 124 townships, the great majority being in the Temiskaming and Rainy River districts. Of these 170 were assigned and 60 were accepted subject to settlement regulations. One half of those entitled to military grants have not yet selected their locations, owing to the desire to secure them in the New Districts, but in which sufficient lands have not yet been surveyed.

The last amendment to the Act above mentioned, required all applications for military grants to be filed in the Department before the 1st July, 1904. A number of South African volunteers were late in making application for the grant. Some of these claim to have only returned from South Africa, others had never heard of the grant. There are also several applications on file from veterans of 1865, 1866 and 1870 received too late to be considered.

Mining Industry.

The mining industry continues to develop, and as exploration goes on, the extent and variety of the mineral resources of the Province become more

apparent. The rich discoveries of native silver and cobalt nickel ores noted in last year's report as having been made near Haileybury, have excited widespread attention, and additional deposits were brought to light in 1904. Some five or six of the veins have been opened up, and a large quantity of the ore extracted. It may be expected that a considerable part of the district, especially where the geological conditions resemble those at Cobalt Lake, the site of the original discoveries, will be prospected during 1905, and that the demand for mining lands will be stimulated. From appearances, Ontario will soon supply the greater part of the world's requirements in cobalt as well as nickel.

In other departments of mining, such as nickel-copper and iron ore, there has been expansion. During the year the Mond Nickel Company, Victoria Mines, which was inactive at the close of 1903, resumed operations, and the Canadian Copper Company, the chief producer of nickel, completed the construction of its extensive metallurgical plant at Copper Cliff.

At Loon Lake, near Port Arthur, investigation has proven the existence of large bodies of hematite, and there is a prospect of the establishment of a blast furnace at Port Arthur, where the ores of the Atikokan and other ranges will be smelted into pig iron. There are now four iron smelters in operation in Ontario, as against three in 1903, the fourth having been blown in during the year by the Lake Superior Corporation at Sault Ste. Marie.

Collections.

The total collections of the Department from all sources of revenue under its control amounted to $2,781,272.66. Of this $126,268.83 was derived from sales and leases of Crown Lands, $2,650,782.56 from Woods and Forests, and from miscellaneous $4,221.28. (See Appendix No. 4, Page 6.)

Disbursements.

The total disbursements of the Department were $284,227.37. This includes the following services:—Agents' salaries, $35,666.90; Forest Ranging, $33,391.00; Fire Ranging, $42,989.48; Mining development, $12,154.31; Surveys, $101,299.60; Refunds, $14,601.89; Forest Reserves, $10,199.66. It also covers $58,896.91 for special services under direction of the Department as follows:—Colonization and Immigration, $19,889.94; Diamond Drill, $2,573.22; Iron Mining Fund, $25,000.00; Parks, $10,176.18. (See Appendices 6 and 7, Pages 8 and 24.)

Woods and Forests.

The total revenue from Woods and Forests was $2,650,782.56. Of this $1,654,268.31 was received on account of bonuses; $919,471.21 on account of timber dues; $64,997.03 on account of ground rent, and $2,056.00 on account of Transfer Fees. (See Appendix No. 4, Page 9.)

Culler's Examinations.

Culler's Examinations were held at Huntsville, Arnprior, and Rat Portage during the year, when 88 candidates were successful and were granted certificates authorizing them to act as Cullers.

Pulp Wood.

It will be noticed that there is a considerable falling off in the quantity of pulp wood taken out during the year. This is accounted for by the fact that the Sault Ste. Marie Pulp and Paper Company did not take out any pulp wood last season.

The Sturgeon Falls Pulp Mill has been operated continuously during the season and an extensive addition is now contemplated, which will practically double its capacity.

The Spanish River Pulp and Paper Company, it is understood, have succeeded in getting their dam into place and before long their mills will be in operation.

The other pulp concessions, which are in existence, are the Nepigon, Rainy River, Keewatin and the Blanche. The first four of these have not yet proceeded with any active developments. The territory covered by the Blanche River Pulp concession has been almost entirely settled, and the lands have passed into the hands of settlers.

Fire Ranging.

There were 318 Fire Rangers on duty in the forest during the last summer exclusive of those engaged in Algonquin Park and the Forest Reserves. The cost of the Fire Ranging Service for the year was $82,589.48, of which the Department paid $42,989.48, as its proportion, leaving $40,000 as the proportion to be paid by the Licensees.

Of the 318 Rangers 290 were distributed over licensed territory, 12 on the Temiskaming and Northern Ontario Railway and 16 elsewhere on lands of the Crown not under license. The Rangers along the line of the Temiskaming and Northern Ontario Railway were under the supervision of a Chief Ranger, who was clothed with Magisterial powers. so as to try promptly any offenders against the Fire Act. A Ranger was also placed on the construction of the branch of the Canadian Pacific Railway between Romford Station and Byng Inlet on the Georgian Bay. Several Rangers were placed in the Rainy River District on unlicensed lands, and one was on the head waters of the Missanabie and Moose Rivers, so as to post up notices on the portages and have a general supervision of parties using these waterways.

No serious fires occurred on licensed lands. There were two fires in the Temagami region, one near Net Lake, which would certainly have developed into a very serious fire had it not been promptly suppressed by the Rangers on the spot. The other was on Horse Island in Lake Temagami, which was suppressed by the Rangers in the Reserve. There were also two fires in the western Temagami Reserve, which would no doubt have assumed very serious proportions had they not been suppressed by the Rangers.

The extension of the Temiskaming and Northern Ontario Railway will render it necessary that a large staff of Fire Rangers be employed there during the coming season. The supervision along this railway last season was very close, the line being patrolled by Rangers using railway velocipedes, which enabled them to follow the trains from one division to another, so as to see that no fires were caused by sparks from the locomotives, etc.

The Provincial Parks.

The reports of the Superintendents of Algonquin National Park and Rondeau Provincial Park will be found in appendices Nos. 65 and 66 respectively, pages 121 and 123.

Crown Surveys.

The following Crown Surveys have been carried out this year:—

Two Hundred and Ninety-four and one-half miles of base and meridian lines have been run in the Districts of Nipissing and Algoma, such lines being run to form the bases of future subdivision surveys. Forty-four townships

have been subdivided into lots and concessions, the following being a list of the names and Districts in which they occur: In the District of Nipissing, the Townships of Gowan, Little, Mann, Dundonald, McCart, Matheson, German, Calvert, Aurora, Clergue, Teefy, Stock, Taylor, Carr, Bond, Bowman, Egan, Warden, Beatty, Munro, Rickard, Knox, McCool, Barnet, McCann, Sheraton, Burt, Holmes, Pense, Cook and Coleman. Thirty-one in all. In the District of Algoma, Townships of Murphy, Hoyle, Tully, Prosser. In the District of Thunder Bay, Township of Pearson, near Fort William. In the District of Rainy River, Townships of Dewart, Tovell, Britton, Rowell, Hartman, Revell Dance and Fleming. Most of these Townships have been reported by the surveyors as containing a large percentage of good agricultural land.

The islands in Lake Temagami, in the District of Nipissing, were also surveyed during the year, to the number of 1,258. A plan of the survey is in course of preparation, and will shortly be engraved and published.

A number of timber berths in the Districts of Algoma, Nipissing and Rainy River, were also surveyed during the year. Several other minor surveys have been performed during the year.

Owing to the fine summer most of the surveyors were able to finish their contracts.

The Surveyors' Reports so far as received and examined will be found in appendices 18 to 64 inclusive, pages 40 to 120 inclusive.

Municipal Surveys.

The Department has during the year, on the petitions of the Municipalities of the Town of Peterborough, Township of York, Township of Hinchinbrooke, Township of Toronto, Town of New Liskeard,County of Carleton, United Counties of Stormont, Dundas and Glengarry, issued instructions for the survey of portions of townships and towns within said Municipalities, namely, the right of way or road allowance along the west bank of the Otonabee River from Wolfe street to Hunter street, in the Town of Peterborough, in the County of Peterborough. In the Township of York, in the County of York, the original allowance for road in rear of lots 39 and 40, in the broken front concession of the Township of York, from Ellis Avenue to the River Humber. In the Township of Hinchinbrooke, in the County of Frontenac, line between the 6th and 7th concessions across lots Nos. 8 to 16 inclusive. In the Townsship of Toronto, in the County of Peel, to survey the allowance for road between the 1st and 2nd ranges Credit Indian Reserve south of Dundas street, from the northwest angle of lot No. 8, 1st range, across lots Nos. 9 to 14 inclusive in the 1st range, and lots Nos. 6, 9 and 10, in the 2nd range Credit Indian Reserve, and thence along the road allowance between the 2nd range Credit Indian Reserve and the 2nd concession of Toronto Township south of Dundas street, being across parts of lots 22, 23, 24 and 25 in the 2nd concession south of Dundas street to the westerley limit of said lot 25, being the easterly limit of the allowance for road between lots Nos. 25 and 26, known as the Lorne Park Road, and as regards the 2nd range on the northerly side of said road allowance being across parts of lots 10, 11, 12 and 13, Credit Indian Reserve. The Town of New Liskeard, in the District of Nipissing, to survey the boundaries thereof in accordance with the description embodied in the Proclamation of date 30th March, 1903. Osgoode and Mountain, to survey the allowance for road forming the boundary between the Township of Osgoode in the County of Carleton, and the Township of Mountain in the County of Dundas.

The following Municipal Surveys have been confirmed during the year under the provisions of the Revised Statutes of Ontario, 1897, chapter 181, sections 14 and 15, such surveys so confirmed being final and conclusive. The town

line between the Township of Logan in the County of Perth and the Township of McKillop in the County of Huron, from the front of the 13th concession of each of said townships northerly to the north town line of the townships. That part of the line between the 5th and 6th concessions of the Township of Hinchinbrooke, in the County of Frontenac, from lot 25 southerly to lot 11 inclusive. The line between the 2nd and 3rd concessions of the Township of Hinchinbrooke, in the County of Frontenac, across lot No. 24. The original road allowance between lots 16 and 17, in the 3rd concession of the Township of Pickering, in County of Ontario. The road allowance between lots Nos. 5 and 6, from concession No 3, to concession No. 8, both inclusive, in the Township of Ross, in the County of Renfrew. The original allowance for road running in rear of lots 39 and 40, in the broken front concession of the Township of York, in the County of York, from Ellis Avenue to the River Humber. The boundaries of the Town of New Liskeard in the District of Nipissing, in accordance with the description embodied in the Proclamation of date 30th March, 1903.

The particulars relating to these surveys will be found in appendices Nos. 14 and 15, pages 34 to 37 inclusive.

Mining and other Surveys.

The Mines Act of 1897, and amendments thereto, require that applicants to purchase or lease mining lands in unsurveyed territory shall file in the Department Surveyor's plans (in duplicate) of their proposed mining locations, with field notes and descriptions by metes and bounds, before any sale or lease can be carried out, and under Orders-in-Council, dated 23rd of January, 1892; 3rd December, 1892; 29th April, 1886; and 22nd September, 1893, applicants to purchase islands or locations for agricultural purposes in unsurveyed territory are required to file surveyor's plans (in duplicate) of their locations, with field notes and descriptions by metes and bounds; the locations to be of the form and size, wherever practicable, prescribed by the Mines Act, together with the necessary affidavits.

Under the above Act and regulations, in the Districts of Parry Sound, Nipissing, Algoma, Rainy River and Thunder Bay, an area of 8,639 63/100 acres has been sold and patented during the year, for which the sum of $14,961 00 has been received; and an area of 9,523 1/100 acres has been leased at $1.00 per acre for the first year's rental.

Colonization and Immigration.

By arrangement with the railway companies, special rates of fare are given land settlers upon certificates issued by the Director of Colonization. During the year 1,350 certificates were issued, but many land seekers and settlers moved to the new districts who were not aware of this arrangement.

The increase in Immigration to the Province has been very marked during the year, and it is satisfactory that the immigrants have been of a very good class, and the great majority of them from the Mother Country.

The total immigration to the Province for the year, according to returns obtained from the Dominion Immigration Agents at the ports of entry, amounted to 24,965.

Of these, 19,780 were English, Irish, Scotch or Welsh; 1,177 Scandinavians; 575 Italians; 997 Hebrews from various countries, the larger number, 754, from Russia.

The establishment of a Farm Labor Bureau in connection with immigration has proved of great assistance not only to the immigrants but to the farmers of

the Province. The policy of the Department has been to encourage immigrants to engage with an Ontario farmer as a laborer for at least a year before buying land of their own, and during the year 5,000 immigrants were distributed by the Bureau among the farmers who had applied for their assistance. Many farmers engaged help from among the immigrants as they arrived, without the aid of the Bureau.

J. J. FOY,
Commissioner.

Department of Crown Lands,
20th February, 1904.

APPENDICES.

Appendix No. 1.

Return of Officers and Clerks of the Department of Crown Lands for the year 1904.

Branch.	Name.	Designation.	When Appointetd.	Salary Per Annum.	Remarks.
	Hon. E. J. Davis	Commissioner	1889 Oct. 21	$4,000	Resigned Nov. 22, 1904.
	Hon. A. G. MacKay	Commissioner	1904 Nov. 23	4,000	
	Aubrey White	Assistant Commissioner	1882 Jan. 1	3,250	
	George Kennedy	Law Clerk	1872 Feby. 1	2,200	
	Selby Draper	Secretary	1903 Jany. 1	1,000	
Sales Free Grants and Military Grants.	J. J. Murphy	Chief Clerk	1872 May 1	1,900	
	E. S. Williamson	Clerk	1889 May 1	1,400	
	W. R. Ledger	Clerk	1894 Feby. 5	900	
	Walter Cain	Clerk	1903 Mar. 6	900	
	May Bengough	Clerk	1896 Oct. 23	550	
	R. H. Browne	Clerk	1900 Mar. 2	1,200	
	R. T. Winter	Clerk	1904 Jany. 13	650	
	M. C. Jaffray	Clerk	1904 Nov. 9	450	
	L. F. O'Neill	Clerk	1904 Nov. 9	450	
Surveys and Patents.	G. B. Kirkpatrick	Director of Surveys	1885 Jany. 30	2,200	
	J. F. Whitson	Clerk	1892 Sept. 1	1,400	
	W. F. Lewis	Clerk	1872 Feby. 5	1,000	
	D. G. Boyd	Clerk	1897 Sept. 27	1,200	
	J. B. Proctor	Clerk	1897 Jany. 15	800	
	E. M. Jarvis	Clerk	1904 Oct. 19	800	
	H. Treeby	Clerk	1904 Jany. 13	850	
	M. H. W. Kirkland	Clerk	1904 Nov. 23	400	
	C. S. Jones	Chief Clerk Patents	1890 May. 22	1,650	
	C. E. Burns	Clerk	1900 Apl. 9	800	
	W. S. Sutherland	Clerk	1902 June. 13	1,000	
	W. Carrell	Clerk	1904 Jany 15	900	

Woods and Forests.	J A. G. Crozier	Chief Clerk	1867 Dec. 1	1,800
	Kenneth Miller	Clerk	1891 Nov. 1	1,100
	H. Gillard	Clerk	1900 Apl. 9	850
	J. B. Cook	Clerk	1903 Jany. 1	800
	F. J. Niven	Clerk	1898 Aug. 1	1,250
	W. F. Trivett	Clerk	1904 Jany. 13	750
	R. H. Hodson	Clerk	1904 Nov. 23	700
Accounts Branch	D G. Ross	Accountant	1861 Apl. 15	1,850
	E. Leigh	Clerk	1873 Dec. 20	1,200
	M J. Ferris	Clerk	1892 Apl. 1	1,100
	A E. Robillard	Clerk	1894 May 4	800
	H M. Lount	Clerk	1904 Nov. 1	1,000
	F. Yeigh	Registrar	1880 Mar. 1	1,500
	H Cartwright	Clerk	1893 Oct. 1	1,100
Bureau of Mines.	T. W. Gibson	Director	1891 June 19	2,500
	W. E. H. Carter	Secretary	1901 Feby. 10	1,300
	Anne Moffatt	Stenographer	1901 Mar. 1	500
	Jules Ferry	Clerk	1904 Jany. 13	400
Colonization and Forestry	Thomas Southworth	Director	1895 Apl. 17	2,000
	Judson F. Clark	Forester	1904 Aug. 1	1,600
	Geo. W. Yates	Secretary	1899 Feby. 26	1,300
	A. Robertson	Clerk	1882 Dec. 1	950
	J. Cadieux	Clerk	1903 Jany. 1	800
	N McLeod	Stenographer	1903 Jany. 1	500
	R. M Persse	Constable at Station	1899 Jany. 1	600
	H Brophy	Messenger and Caretaker	1893 Oct. 1	600

D. G. ROSS,
Accountant

AUBREY WHITE,
Assistant Commissioner,

Appendix No. 2.

List of Land Agents for the year 1904.

Name.	Post Office Address.	District or County.	Date of Appointment.	Salary Per Annum.	Remarks.
Annis, A. E.	Dryden	Part of District of Rainy River	1895, Nov. 28th	200	Agent for Sale of Land.
Armstrong, Jno.	New Liskeard	Lake Temiscaming, District of Nipissing	1893, Oct. 27th	500	do do
Best, S. G.	Maganetawan	Part of Parry Sound District	1875, Mar. 23rd	500	
Bishop, H. E.	Marksville	Town Plot of Hilton	1896, Mar. 23rd		Without Salary.
Buchanan, Thos.	Thessalon	Part of Algoma District	1901, Nov.	300	Agent for Sale of Land.
Campbell, Wm.	Stratton Station	Part of District of Rainy River	1897, Aug. 12th	300	
Cockburn, J. D.	Sturgeon Falls	" Nipissing District	1884, May 21st	500	Agent for Sale of Land.
Cloutier, A. L.	Thessalon	Homestead Inspector	1904, Nov. 23rd	1,200	
Eastland, T. G.	Apsley	Part of County of Peterborough	1896, July 10th	300	
Ellis, Jamets	Parry Sound	" Parry Sound District	1898, Dec. 1st	500	
Gilligan, B. J.	Mattawa	" Nipissing District	1904, Jan. 1st	300	
Handy, E.	Emsdale	" Parry Sound	1879, Jany. 3rd	500	
Hartle, Wm.	Minden	" Victoria	1895, Nov. 28th	350	
Holland, C. J.	Fort Frances	Town Plot of Alberton, etc.	1892, Oct. 12th	300	Mining and Land Agent.
Hamilton, Alex.	Warren	Part of Nipissing District	1901, May 18th	250	Agent for Sale of Lands.
Hesson, W. H.	Port Arthur	" Thunder Bay District	1903, July 8th	500	
Kirk, Wm.	Bracebridge	" Muskoka District	1892, July 28th	500	
Macdonald, D. F.	Parry Sound	Homestead Inspector	1904, Dec. 16th	1,200	
Patton, W. H.	Killarney	Town Plot of Killarney	1895, Mar. 2nd	Commis'n	Agent for Sale of Land.
Ryan, T. J.	Sudbury	Part of Algoma	1888, June 15th	500	Mining and Land Agent.
Scott, W. F.	New Liskeard	Homestead Inspector	1903, Nov. 21st	1,200	
Seegmiller, M.	Rat Portage	District of Rainy River	1903, Oct. 15th	800	Mining and Land Agent.
Scarlett, J. S.	Pawassen	Part of Parry Sound	1880, June 17th	500	
Stephenson, Wm.	Emo	" Rainy River District	1896, June 6th	300	
Stewart, C. R.	Haliburton	" District of Hastings & Peterborough	1882, May 1st	500	
Stewart, James	Pembroke	" Renfrew	1891, Sept. 26th	300	
Tait, J. R.	L'Amable	" Hastings	1869, May 28th	300	
Whelan, Jno.	Brudenel	" Renfrew	1884, Sept. 19th	300	
Wood, A. W.	Plevna	' Frontenac and Addington	1892, Dec. 1st	100	Also in chge of E. Forest Reserves
Whalen, R. J.	Walford	" Algoma District	1903, Apl. 28th	500	Agent for Sale of Land.
Young, H. N.	Sault Ste. Marie	" "	1901, Nov. 23rd	300	Free Grant and Sales Agent.

GEO. D. ROSS,
Accountant.

AUBREY WHITE,
Assistant Commissioner.

Appendix No. 3.

STATEMENT of Lands Sold and Leased, Amount of Sales, and Amount of Collections on Sales and Leases for the year 1904.

Service.	Amount Sold and Leased.	Amount of Sales and Leases.	Amount of Collections on Sales and Leases
Crown Lands—		$ c.	$ c.
Agricultural	72,781	47,044 41	64,517 94
Mining	5,440	8,321 80	
Converted Leases		9,920 38	15,109 30
Clergy Lands	286	160 25	3,764 22
Common School Lands	103	450 00	9,772 73
Grammar School Lands	521	504 12	849 26
University Lands	2,731	2,175 61	1,647 72
Leases—			
Mining Leases	11,002	10,762 06	28,597 46
Crown Leases and Licenses of Occupation	12,002	295 71	2,010 20
	102,866	79,634 34	126,268 83

AUBREY WHITE,
Assistant Commissioner.

D. GEO. ROSS,
Accountant.

Appendix No. 4.

STATEMENT of the Revenue of the Department of Crown Lands for the year 1904.

Service.	$ c.	$ c.	$ c.
LAND COLLECTIONS.			
Crown Lands—			
Agricultural	64,517 94		
Mining	15,109 30		
		79,627 24	
Clergy Lands		3,764 22	
Common School Lands		9,772 73	
Grammar School Lands		849 26	
University Lands		1,647 72	
Rent—			
Mining Leases	28,597 46		
Crown Leases	2,010 20		
		30,607 66	
			126,268 83
WOODS AND FORESTS.			
Bonus		1,664,258 31	
Timber dues		919,471 21	
Ground rent		64,997 03	
Transfer fees		2,056 00	
			2,650,782 55
Mining Licenses		1,597 15	
Casual fees	405 29		
Cullers' fees	448 00		
Assay fees	780 24		
		1,633 53	
Rondeau Park	61 00		
Forest Reserves	62 00		
		123 00	
			3,353 68
REFUNDS.			
Surveys		530 00	
Agents' Salaries		278 20	
Mining Inspections		59 40	
			867 60
			$2,781,272 66

AUBREY WHITE,
Assistant Commissioner.

D. GEO. ROSS,
Accountant.

(*Appendix No. 5.*)

STATEMENT of the Receipts of the Department of Crown Lands, for the year 1904, which are Considered as Special Funds.

Service.	$ c.	$ c.
Clergy Lands.		
Principal	1,737 75	
Interest	2,026 47	3,764 22
Common School Lands.		
Principal	3,628 46	
Interest	6,144 27	9,772 73
Grammar School Lands.		
Principal	559 97	
Interest	289 29	849 26
University Lands.		
Principal	1,594 57	
Interest	53 15	1,647 72
		$16,033 93

AUBREY WHITE,
Assistant Commissioner.

D. GEO. ROSS,
Accountant.

(*Appendix No.* 6.)

STATEMENT of Disbursements of the Department of Crown Lands for the year 1904.

Name.			
AGENTS' SALARIES.			
Land.			
Annis, A. E.		200 00	
Armstrong, Jno.	500 00		
Armstrong, T. E., Clerk	400 00		
		900 00	
Best, S. G.		500 00	
Buchanan, Thos.		300 00	
Campbell, Wm.		300 00	
Cockburn, J. D.		500 00	
Eastland, T. G.		300 00	
Ellis, Jas.		500 00	
Gilligan, B. J.	300 00		
do Arrears 1899-03	1,250 00		
		1,550 00	
Hamilton, Alex.		250 00	
Handy, E.		500 00	
Hollands, C. J.		300 00	
Hartle, Wm.		350 00	
Hesson, W. H.		500 00	
Kirk, Wm.		500 00	
Ryan, T. J.		500 00	
Seegmiller, M.		800 00	
Scarlett, J. S.		500 00	
Stephenson, Wm.		300 00	
Stewart, C. R.		500 00	
Stewart, James		300 00	
Tait, J. R.		300 00	
Whelan, Jas.		300 00	
Whalen, R. J.		500 00	
Wood, A. W.		100 00	
Young, H. N.		300 00	
			11,850 00
Timber.			
Christie, W. P.		1,600 00	
Garrow, E.		1,400 00	
Henderson, C.		1,400 00	
Kennedy, John		1,600 00	
Lloyd, E.	1,200 00		
Lloyd, E., 1903	59 17		
		1,259 17	
Margach, Wm.		1,600 00	
Maughan, J.	1,400 00		
do 1903	88 22		
		1,488 22	
Munro, J.		1,200 00	
McWilliams, J. B.		2,500 00	
Sleeman, Geo.		1,200 00	
Wigg, T. G.	1,400 00		
do 1903	88 22		
		1,488 22	
			16,735 61
Carried forward			28,585 61

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward		28,585 61	
AGENTS' DISBURSEMENTS.			
Land.			
Annis, A. E	73 66		
Armstrong, John	37 23		
Best, S. G	7 88		
Campbell, Wm	27 10		
Cockburn, J. D	21 17		
Eastland, T. G	9 82		
Ellis, Jas	15 65		
Handy, E	13 10		
Hesson, W. H	40 25		
Kirk, Wm	13 32		
Ryan, T. J	18 85		
Seegmiller, M	369 65		
Stephenson, Wm	35 82		
Stewart, C. R	6 50		
Whelan, Jas	9 21		
Whalen, R. J	3 51		
Wood, A. W	27 00		
Young, H. N	10 50		
		740 22	
Timber.			
Christie, W. P	211 84		
Garrow, E	136 57		
Henderson, C	195 75		
Kennedy, Jno	220 67		
Lloyd, E	100 00		
Margach, Wm	1,457 56		
Maughan, J	272 99		
Munro, J	73 50		
McWilliams, J. B	250 70		
Sleeman, Geo	665 94		
Wigg, T. G	744 74		
		4,330 26	
Homestead Inspectors.			
Cloutier, A. C	126 30		
Scott, W. F. 1,200 00			
do 1903 133 33			
	1,333 33		
		1,459 63	
Homestead Inspectors' Disbursements.			
Cloutier, A. C	100 00		
Scott, W. F	190 98		
		290 98	
Miscellaneous.			
Ames, D., guarding islands in Laboro & Dog Lakes	20 00		
Belton, Geo., guarding islands in Loon Lake	25 00		
Brady, Jno., inspecting 22, 15 Cardiff	41 00		
Danis, S., guarding Leonard Islands	20 00		
Carried forward	106 00	35,406 70	

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward	106 00	35,406 70	
Miscellaneous—Concluded.			
Fairbairn, R. P., inspecting water power	75 20		
Forbes, F. S., disbursements	2 00		
Hurd, J. H., inspecting McConkey	34 00		
McGowan, do do	43 00		
		260 20	
			35,666 90
Crown Timber Offices, Ottawa.			
Ottawa.			
Darby, E. J., agent	1,250 00		
Larose, S. C., clerk	900 00		
		2,150 00	
Rent	500 00		
Disbursements	87 10		
		587 10	
			2,737 10
Quebec.			
Nicholson, B., agent	1,500 00		
Harney, Thos., clerk	150 00		
		1,650 00	
Rent	125 00		
Disbursements	368 87		
		493 87	
			2,143 87
Woodranging.			
Brady, John		1,360 38	
Bremner, J. L.		820 80	
Bolt, James		64 15	
Christie, W. P.		20 55	
Campbell, Wm.		638 00	
Crawford, A. C.		862 00	
Campbell, J. M.		678 40	
Devine, M. J.		503 00	
Elliott, Geo. E.		1,115 00	
Fraser, Duncan		690 00	
Halliday, James		850 00	
Hanes, J. L.		463 37	
Hickerson, M. T.		936 00	
Johnson, S. M.		1,522 02	
Jervis, Hy.		1,076 75	
Kintrea, Stuart		838 90	
Kirk, W. J.		438 50	
Loughrin, L.		488 20	
Lloyd, E. B.		27 45	
McConachie, J.		526 00	
McGillvray, A.		567 50	
McFarlane, Jno. W.		614 00	
McGown, Wm.		1,230 00	
McCogherty, P.		734 87	
McLean, Peter		156 00	
McDonald, Thos.		603 30	
McConachie, Roy		100 00	
Carried forward		17,925 14	40,547 87

(Appendix No. 6.)—Continued.

Name.	$ c0	$ c.	$ c.
Brought forward		17,925 14	40,547 87
WOOD RANGING—*Concluded.*			
McKenzie, A. E		33 00	
Moore, D. H		1,570 99	
Margach, J. A		464 80	
Margach, Wm		1,830 18	
Maughan, J		59 83	
Malone, W. P		704 00	
Mooney, Thos		694 60	
Milne, James		100 00	
Obin, Oliver		112 00	
Pearson, J. J		545 00	
Quinn, Wm		1,210 00	
Riley, E		135 40	
Regan, Jno		1,942 70	
Robinson, Wm		1,588 60	
Revell, L. O		100 00	
Smith, R. W		40 00	
Sinclair, F		1,034 00	
Taylor, T. G		730 00	
Widdifield, C. H		259 50	
Wood, Wm		140 20	
Watterworth, James		1,070 00	
Wigg, T. G		220 00	
Young, Cyril		881 00	
			33,391 00
Fireranging.			
Anderson, Gill		108 00	
Anderson, Herbert, 1903		131 00	
Austin, Norman		114 00	
Austin, Chas		66 00	
Armstrong, W. J		125 00	
Armitage, Jno		131 00	
Aylward, Jas		90 00	
Archer, George		131 00	
Brown, Hugh R		131 00	
Brannan, Samuel 1903	92 00		
Disbursements	24 00		
Brannan, Samuel 1904	101 00		
		217 00	
Bromley, Thos 1903	74 00		
do 1904	79 00		
		153 00	
Brash, Robt 1903		131 00	
Burns, Wm 1903		104 00	
Burns, G. F		120 00	
Burns, Jno		41 00	
Boyer, Paul		104 00	
Biggs, Joseph		108 00	
Burgess, Wm. H		131 00	
Boddy, Wm		131 00	
Bethune, Donald		105 00	
Bethune, Wm		109 00	
Barron, E		131 00	
Buhcanan, Robt		61 00	
Brown, J. F		47 00	
Carried forward		2,720 00	73,938 87

(*Appendix No. 6.*)—*Continued.*

Name.	c.	$ c.	$ c.
Brought forward		2,720 00	73,938 87
FIRE RANGING—*Continued.*			
Beullefeuille, Oliver 1903		131 00	
Bonfield, Jno.		19 00	
Brewer, Chas. E.		131 00	
Beaudry, Jno.		131 00	
Boisvert, Jno. 1903		102 00	
Burk, Harry. 1903		43 50	
Campbell, G. M.		118 00	
Campbell, Robt.		112 00	
Campbell, Henderson		125 00	
Campbell, Geo.		131 00	
Campbell, James		125 00	
Campbell, Jno. L.		131 00	
Cahill, M. L.	297 50		
Disbursements	40 60		
		338 10	
Cook, H.		105 00	
Cook, Frank		100 00	
Cole, Jno.		36 00	
Cole, Geo.		125 00	
Curtin, David 1903			
Disbursements	7 50		
Curtin, David 1904	110 00		
		117 50	
Cochrane, Jno 1903	132 00		
Disbursements	160 38		
Cochrane, Jno. 1904	105 00		
		397 38	
Cosgrove, J. P. 1903	58 00		
Disbursements	45 00		
Cosgrove, J. P. 1904	78 00		
		181 00	
Costello, Simon		120 00	
Christie, Peter		97 00	
Conway, Richard		123 00	
Collins, Chas.		64 00	
Caswell, Herbert		108 00	
Chamberlain, B. E.		131 00	
Carlin, Thos.		124 00	
Callaghan, Dennis L.		117 00	
Cleary, Jno. F. 1903		131 00	
Columbus, Frank		131 00	
Cromble, Jno.		131 00	
Coughlin, John		131 00	
Culhane, Jno.		131 00	
Christilow, Henry		120 00	
Clouthier, Jno.		131 00	
Cousins, James		120 00	
Chaput, Isidore		130 00	
Cunningham, Jos.		131 00	
Doyle, T. J.	131 00		
Disbursements	10 00		
Dawkins, Jno.	120 00	141 00	
Disbursements	22 68		
		142 68	
Driver, Joseph		115 00	
Driver, James		131 00	
Didier, L. P.		48 00	
Carried forward		8,168 16	73,938 87

(Appendix No. 6.)—Continued.

Name.	$ c.	$ c.	$ c.
Brought forward		8,168 16	73,938 87
WOOD RANGING—*Continued.*			
Dzwauskoukie, M., Disbursements 1903	588 00		
Dzwanskoukie, M. 1904	385 00		
Disbursements	11 00		
		984 00	
Doherty, Wm.	282 50		
Disbursements	16 10		
		298 60	
Dillabough, R.		38 00	
Dason, Moses		65 50	
Dunn, Thos. B		105 00	
Dyke, Maurice V.		105 00	
Dupond, Ignace		102 00	
Dennison, Harry		131 00	
Dube, John		79 00	
Edwards, E. D.		142 00	
Everett, Chas.		131 00	
Elliott, Wm.		118 00	
Eagleston, Jno.		131 00	
Farrell, Wm.		105 00	
Farrell, Samuel		111 00	
Fraser, John		69 00	
Finlayson, J. H.		131 00	
Fordes, Alex.		91 00	
Faireau, Geo.		93 00	
Findlay, Jno.		98 00	
Fisher, Fred.		34 00	
Fraser, W. A.			
Disbursements 1903		266 63	
Foley, Patrick 1903		104 00	
Gardner, Jno.	235 00		
Disbursements	7 30		
		242 30	
Gonu, James		125 00	
Gorgeon, Arthur		131 00	
Gagnon, Noel		131 00	
Gauthier, Olida		131 00	
Grant, Joseph D.		131 00	
Gorgeon, Arsene		75 00	
Garceau, Adolph		131 00	
Guertin, Oliver		131 00	
Graham, Jno. M.		131 00	
Growberger, Thos		131 00	
Groulx, Arthur		98 25	
Guthrie, Jno.		130 00	
Guiney, F. K. 1903		98 00	
Gould, Ferdinand 1903	146 00		
do 1904	130 00		
		276 00	
Green, Wm.		105 00	
Griffin, James		131 00	
George, W. C.		48 00	
Grozelle, A. D.		95 00	
Gagnon, Samuel		21 00	
Gagnon, Oliver		36 00	
Hoff, J. S. M.		105 00	
Harvey, Albert		95 00	
Carried forward		14,429 44	73,938 87

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward		14,429 44	73,938 87
WGOD RANGING—*Continued.*			
Harvie, Andrew 1903	131 00		
do 1904	131 00	262 00	
Harkness, James 1903	131 00		
do 1904	131 00		
		262 00	
Hanrahan, Jno.		131 00	
Hartley, Mark		104 00	
Henderson, Arthur		124 00	
Huckson, Alfred		130 00	
Hamilton, James		130 00	
Henry, James C		86 00	
Hillman, A. P		109 00	
Harper, Thos		131 00	
Haley, Edw		131 00	
Heise, Geo	50 00		
Disbursements	41 20		
		91 30	
Hurd, Cyril		94 00	
Hunt, J. W		107 00	
Irwin, Thos		110 00	
Johnson, Jas		97 00	
Johnson, Wm 1903	131 00		
Disbursements 1903	82 75		
		213 75	
Johnson, Michael		110 00	
Johnston, Jno		101 00	
James, Martin		63 00	
Jonasen, Dan'l	131 00		
Disbursements	4 75		
		135 75	
Kennedy, M. J. Disbursements 1902		54 25	
Kennedy, Sylvester		97 00	
Kennedy, Robt		67 00	
King, Frank 1903		64 00	
King, Neil A 1903	57 50		
Disbursements	[illegible]		
		65 70	
King, Charles		127 00	
Kingston, T. J.		131 00	
Kingston, James		122 00	
Kelly, John 1903		133 00	
Kelly, Dan'l 1903		122 00	
Kirk, W. J		131 00	
Kirby, Jno		27 00	
Latour, Alfred		131 00	
Long, Henry E		118 00	
Long, Oscar A		118 00	
Larond, F. K.	123 00		
Disbursements	9 00		
		132 00	
Lalond, J. B.		131 00	
Ledgerwood, Wm.		362 50	
Law, W. J.		131 00	
Lazenby, Chas.	297 50		
Disbursements	14 20		
		311 70	
Carried forward		19,728 29	73,938 87

(Appendix No. 6.)—Continued.

Name.	$ c.	$ c.	$ c.
Brought forward		19,728 29	73,938 87
FIRE RANGING—*Continued.*			
Lenton, M. W. 1903	131 00		
do 1904	131 00		
		262 00	
Logan, Hugh A.	445 00		
Disbursements	13 95		
		458 95	
Lamothe, Mich'l		131 00	
LeBlanc, Oliver	131 00		
Disbursements	11 25		
		142 25	
Leahey, John		131 00	
Lavois, Benj'n		131 00	
Lemyre, Meddy		50 00	
Lynch, Mich'l		105 00	
Lawson, David		119 00	
Lorenz, Chas.		131 00	
Lytle, W. A.		104 00	
Lewis, Jno. Disbursements 1903		10 00	
Lamothe, H. 1903		131 00	
Leckie, Jno. 1903		131 00	
Labrie, Isadore		117 00	
Labrash, J. P.		128 00	
Malloy, Mark, disbursements ...1903	158 63		
do services ...1904	131 00		
		289 63	
Munroe, J. H.		131 00	
Munroe, Henry		131 00	
Malloy, John		113 00	
Mann, Robt. A.		74 00	
Mercier, Pat.		131 00	
Massey, H.		105 00	
Martin, W. J.		42 00	
Moore, G.		131 00	
Mason, B. C.		66 75	
Montrueil, Louis 1903		131 00	
Middleton, Jno. 1903		118 00	
Milne, Albert 1903		2 05	
Marshall, James		38 00	
May, Wm.		131 00	
Millichamp, Thos. A.		79 00	
Muir, Wm.		131 00	
Montroy, Joseph		131 00	
Mackie, Thos. 1903		38 00	
McCogherty, P.	760 00		
Disbursements	160 00		
		920 00	
Macdonald, Jno. D.	320 00		
Disbursements	4 00		
		324 00	
McDonald, Donald		131 00	
McDonald, A. J.		31 00	
McDonell, Alex. 1903		136 00	
McDonald, Mat.		131 00	
McDonald, David		104 00	
McInnis, Angus D.	105 00		
Disbursements	56 03		
		161 03	
Carried forward		25,961 95	73,938 87

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward		25,961 95	73,938 87
FIRE RANGING—*Continued.*			
McIntyre, James		238 00	
McIntyre, Wm.		131 00	
McPhee, Jno.		131 00	
McPhee, Hugh		131 00	
McGhie, Chas.		131 00	
McDermott, J. L.		104 00	
McDermott, W. F.		104 00	
McDermid, Alex.		108 00	
McDermott, W. H.		108 00	
McGuey, Denis, disbursements 1903	893 37		
do 1904	131 00		
		1,024 37	
MacCormack, J. C.		131 00	
McClelland, Robt. 1903	117 00		
Disbursements 1903	13 84		
		130 84	
McIlroy, Denis		120 00	
McColl, Arch.		131 00	
McGarvey, Robt.		121 00	
McNaughton, Robt.		134 00	
McAdam, James		128 00	
McLaren, G. D.		92 00	
McFadden, Ed.		131 00	
McMullen, Alex.		126 00	
McPherson, Herbert		131 00	
McNab, Duncan		108 00	
McCaffrey, James		119 00	
Macfarlane, R. L.		129 00	
McCauley, Jerry, disbursements 1903	100 00		
Disbursements 1902	26 25		
		126 25	
McCreary, James 1903		131 00	
McNeil, Alex. 1903		127 00	
McKee, Jno. P.		120 00	
McDermid, Robt. 1903		123 00	
McConachie, Jno., disbursements ... 1903		53 07	
McAndrew, Patk. 1903		50 00	
McDougall, Dr. 1903		21 00	
McKay, Angus		105 00	
McLean, Peter		65 00	
Nolan, Peter 1903	131 00		
do 1904	131 00		
		262 00	
Nadeau, Martin 1903	105 00		
do 1904	98 00		
		203 00	
O'Connor, John		131 00	
Owens, Richard		109 00	
O'Neil, Thos.		112 00	
O'Neil, A. J.	468 00		
Disbursements	6 65		
		474 65	
O'Brien, Philip		80 00	
O'Brien, Clifton		131 00	
Ouissant, Toussant		102 00	
O'Hara, Dominick		78 00	
Carried forward		32,507 13	73,938 87

(Appendix No. 6.)—Continued.

Name.	$ c.	$ c.	$ c.
Brought forward		32,507 13	73,938 87
FIRE RANGING—*Continued.*			
Oram, John		131 00	
O'Connor, D., disbursements		15 40	
Potter, Chas. 1903		65 00	
Payne, Robt.		84 00	
Pelow, F. K.		131 00	
Paul, Benjamin		65 50	
Peeler, Charles		97 50	
Peters, Robert		131 00	
Parent, William		130 00	
Plaunt, Joseph		127 00	
Page, George		131 00	
Page, N. R.		131 00	
Paul, Wesley		105 00	
Perrault, Thos.		128 00	
Quesnelle, N.		105 00	
Quelette, Arthur 1903		122 00	
Rancier, Geo.		380 00	
Riley, E.	208 00		
Disbursements	39 50		
		247 50	
Reynolds, Jno.		105 00	
Reynolds, Mich'l		105 00	
Raymond, Chas.		117 00	
Ranson, Jno.		120 00	
Rawson, Chas. E.		63 00	
Rich, Anthony		71 55	
Reamsbottom, W. H.		105 00	
Reither, Onesime 1903		90 00	
Rainville, Dan'l 1903		131 00	
Rath, W. F.		131 00	
Rowe, Wm.		131 00	
Robinson, Leonard, disbursements 1903		52 05	
Stewart, Jos. 1903		131 00	
Smith, Leslie	131 00		
Disbursements	10 50		
		141 50	
Smith, Joseph		131 00	
Savage, Sidney		125 00	
Savage, R. E.		125 00	
Skuce, Thos.	131 00		
Disbursements	3 13		
		134 13	
Secord, F. K.		131 00	
Spaniel, Ambrose		123 00	
Stevenson, Wm.		126 00	
Scantlin, James		118 00	
Sheridan, Peter		100 00	
Sheppard, H. E.		87 00	
Spreadborough, N.		125 00	
Simpson, Alex.		105 00	
Sandow, Peter		131 00	
Simms, Thos.		131 00	
Shilds, Geo.		105 00	
St. Laurent, Joseph		131 00	
Carried forward		38,256 27	73,938 87

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward		38,256 27	73,838 87
FIRE RANGING—*Concluded.*			
Telgman, O. E. Disbursements.....1903	715 42		
do Services 1903	131 00		
do Disbursements 1904	933 62		
		1,778 04	
Thompson, Wm.		112 00	
Thompson, R. D.		131 00	
Thompson, Harry		30 00	
Tyson, Jno. 1903	46 00		
do 1904	41 00		
		87 00	
Tyson, Thos.		89 00	
Trainer, Wm. 1903	57 00		
do 1904	63 00		
		120 00	
Tubman, W. J. 1903		105 00	
Trudeau, Paul		131 00	
Tomlinson, E. F.		46 00	
Tullock, W. A.		36 00	
Turner, Geo.		112 00	
Took, F. K.		124 00	
Tough, Joseph 1903		122 00	
Thivierge, Narcisse 1903		122 00	
Thivierge, Xavier.....1903			
Disbursements		197 81	
Urquhart, Jno.		25 00	
Vandoski, Jno.		93 00	
Valin, Saml.		161 00	
Volker, Philip D.		131 00	
Vien, Mich'l 1903		100 00	
Wood, F. K.	250 00		
Disbursements	222 92		
		472 92	
Watters, Thos.		105 00	
Winters, Jno.		100 00	
Weart, E. B.		132 00	
Wilkins, G. W. 1903		131 00	
Williams, W.		131 00	
Wattie, Thos.		79 00	
Wilson, A., disbursements		2 80	
Wilson, David 1903		20 00	
Wilson, Joseph		54 00	
Wallace, Geo.		118 00	
Wilson, J. C.		6 55	
Yeomens, James		72 00	
Young, Cyril	30 00		
Disbursements	11 00		
		41 00	
		43,544 40	
Refunds		554 92	
			42,989 48
			116,928 35
Carried forward			

(Appendix No. 6.)—Continued.

Name.	$ c.	$ c.	$ c.
Brought forward			116,928 35
Mining Development.			
Belleville Assay Office.			
Burrows, A. G., salary	1,000 00		
Embury, W. J., clerk	42 00		
Hambly, G. H. do	228 00		
		1,270 00	
Disbursements	301 31		
Advertising	108 80		
Supplies	233 83		
Repairs and Maintenance	95 38		
		839 14	
			2,109 14
Inspection.			
Boyd, D. G., disbursements		66 67	
Carter, W. E. do		422 95	
Miller, W. G., salary	3,600 00		
Knight, C. W., assistant	280 00		
Cartwright, R. A., do	192 00		
Disbursements	701 30		
		4,773 30	
Exploration.			
Bell, J. M., services	755 00		
Evans, W. W., assistant	332 00		
Disbursements	1,554 60		
		2,641 60	
Coleman, A. P., salary	500 00		
Culvert, M. T., assistant	202 00		
Disbursements	860 59		
		1,562 59	
Gillespie, P., inspecting cement plant		100 00	
Kay, G. F., services	50 00		
Disbursements	27 72		
		77 72	
McMillan, J. G., services	500 00		
Henderson, A., assistant	302 00		
Disbursements	807 21		
		1,609 21	
Parks, W. A., disbursements		36 75	
Workman, J. K., services	222 00		
Disbursements	94 95		
		316 95	
Melrose Oil Syndicate, grant in testing for oil		500 00	
Bell, J. M., coal exploration, 1903		46 57	
			12,154 31
Cullers Act.			
Johnson, S. M., disbursements		5 75	
Mather, D. L., services		4 00	
Mulvehill, John do		8 00	
McWilliams, J. B., disbursements		16 30	
Sleeman, Geo. do		16 00	
Carried forward		50 05	131,191 80

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward		50 05	131,191 80
CULLEOS' ACT—*Concluded.*			
Turnbull, W., services	8 00		
Disbursements	2 00		
		10 00	
Advertising		8 12	
			68 17
FOREST RESERVES			
Temagimi Reserve.			
Allan, H. G., services	330 00		
Disbursements	26 20		
		356 20	
Dent, Isreal, services	452 50		
Disbursements	21 90		
		474 40	
Friday, Jas., services		264 00	
Graham, W. N., services	255 00		
Disbursements	23 60		
		278 60	
Keatt, Antonio, services		208 00	
Loughrin, L., services	606 00		
Disbursements	279 87		
		885 87	
McLean, John, services		240 00	
McGregor, Peter, services	492 50		
Disbursements	10 60		
		503 10	
Paul, Alexander, services		92 00	
Pettypiece, C., services		110 00	
Petra, Tom, services		264 00	
Riddell, E. R., services	342 50		
Disbursements	21 55		
		364 05	
Turner, John, services		452 50	
Turner, Joseph, do		200 00	
Whitebear, Francois, do		114 00	
Young, Patrick, do	375 00		
Disbursements	19 75		
		394 75	
Supplies		180 15	
		5,381 62	
Metagimi Reserve.			
Doherty, William H., services	94 00		
Disbursements	33 70		
		127 70	
Davidson, Alexander T., services	327 50		
Disbursements	18 35		
		345 85	
Carried forward		5,855 17	131,259 97

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward		5,855 17	131,259 97
Temagimi Reserve—Concluded.			
Davidson, Geo., services	186 00		
Disbursements	65 85		
		251 85	
Earls, C. F., services	247 50		
Disbursements	18 35		
		265 85	
Laronde, Lawrence, Services		276 00	
Luke, Andrew, do		2 00	
Moore, Joseph, do		130 00	
McLean, Tom, do	237 50		
Disbursements	17 65		
		255 15	
Nephew, Chas., services		94 00	
Penabis, Sandy, do		160 00	
Restaul, Francis, do		2 00	
Robillard, A. E., do	277 50		
Disbursements	17 85		
		295 35	
Ross, K. G., services	370 00		
Disbursements	18 35	388 35	
Samson, Jno., services			
Southworth, H., services	360 00	36 00	
Disbursements	117 12		
		477 12	
Supplies		783 66	
Sundries		55 06	
		9,332 56	
Eastern Reserve.			
		194 00	
Stalker, James, services		198 00	
Winsley, F. H., do		250 00	
Wood, A. W., do	120 00		
Wood, Frank H., do	5 10		
Disbursements		125 10	
Sibley Reserve.			
Munro, H.		100 00	
			10,199 66
Timber Sale, 1903.			
Ryan, Peter, auctioneer's fees, balance		4,218 34	
Tolchard, D. F., supplies		47 50	
Copp Clark & Co., maps		32 00	
Advertising		628 55	
			4,926 39
Surveys			101,299 50
Board of Surveyors			200 00
Refunds			14,601 89
Carried forward			262,487 41

(*Appendix No. 6.*)—*Continued.*

Name.	$ c.	$ c.	$ c.
Brought forward			262,487 41
CONTINGENCIES.			
Bureau of Mines.			
Printing and binding	503 72		
Stationery	720 27		
		1,223 99	
Postage	141 48		
Telegraphing	42 46		
Express, Cartage, etc.	99 88		
		283 82	
Advertising	195 85		
Subscription	112 73		
Books	131 99		
		440 57	
Maps	409 69		
Photo supplies	73 82		
		483 51	
Gibson, T. W., travelling expenses		147 51	
Eggart, J., translation		25 00	
Typewriters, rent, etc., of		47 75	
Extra clerks		135 95	
Sundries		44 30	
			2,832 40
Forestry and Colonisation.			
Printing and binding	51 45		
Stationery	99 05		
		150 50	
Postage	317 33		
Telegraphing	48 74		
		366 07	
Subscriptions	46 00		
Books	22 39		
Photos and supplies	51 50		
		119 89	
Extra clerks	541 40		
Typewriter	120 00		
Lantern slides	96 35		
Press Association Expenses	104 46		
Sundries	37 48		
		899 69	
Clark, J. F., travelling expenses	123 60		
Southworth, Thos., do do	320 42		
		444 02	
			1,980 17
Departmental.			
Printing and binding	1,356 09		
Stationery	2,750 74		
		4,106 83	
Postage	1,263 51		
Express	185 02		
		1,448 53	
Telegraphing	329 13		
Telephoning	59 10		
Carried forward	388 23	5,555 36	267,299 98

(*Appendix No. 6.*)—*Concluded.*

Name.	$ c.	$ c.	$ c.
Brought forward	388 23	5,555 36	267,299 98
Departmental—Concluded.			
Cab hire	70 50		
Car fare	60 00		
		518 73	
Extra clerks		5,280 02	
Subscriptions	331 08		
Advertising	265 89		
		596 97	
Maps	2,248 95		
Books	30 75		
Typewriter and repairs	106 55		
Rubber Stamps and repairs	42 60		
		2,428 85	
Geo. W. Yates, transcribing evidence King vs Larose		188 10	
Davis, Hon. E. J., travelling expenses	203 85		
White, Aubrey, do do	28 00		
Jones, C. S., do do	109 75		
Kirkpatrick, G. B., do do	82 71		
Kelly, J. J., do do	12 00		
Williamson, E. S., do do	8 00		
Yates, G. W., do do	13 05		
		457 36	
Sundries		66 65	
		15,092 04	
Mititary Grants.			
Printing and binding	173 08		
Stationery	278 75		
Postage	317 52		
Extra clerks	1,054 00		
Sundries	12 00		
		1,835 35	
			16,927 39
			284,227 37

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Assistant Commissioner.

(Appendix No. 7.)

STATEMENT of Expenses on account of various Services, under the direction of the Department of Crown Lands, for the year 1904.

Name	$ c.	$ c.	$ c.
COLONIZATION AND IMMIGRATION.			
Exhibition.			
Roberton, James, services 30 00			
do disbursements 47 00			
	77 00		
Collecting grasses, etc.	147 00		
Freight and cartage	104 30		
Photographing	15 30		
Printing	42 50		
Supplies	123 62		
		509 72	
Press excursion		200 00	
Immigration Office, Union Station.			
Persse, R. M., disbursements	23 00		
Rent	300 00		
Subscription, Globe	5 00		
Office cleaning	72 00		
Maintenancte	42 20		
Verity, R., services	96 00		
		538 20	
Carriage of Immigrants	3,887 23		
Meals, do	1,116 05		
Guides' fees	670 00		
		5,673 28	
Advertising	4,585 73		
Printing and stationery	525 48		
Maps	416 25		
Photographs	101 56		
Postage	50 00		
		5,679 02	
Express and freight	71 24		
Telegraphing	267 79		
		339 03	
Salvation Army, grant	1,000 00		
Women's Christian Temperance Union	100 00		
		1,100 00	
Myles, A. W., funeral expenses	15 00		
Envelope fastener	20 00		
		35 00	
Kyle, H. E., services and expenses		927 07	
Expenses of Liverpool office		4,808 00	
Sundries		80 62	
			19,889 94
DIAMOND DRILLS.			
Roach, E. K., salary	583 65		
Disbursements	185 92		
		768 57	
Raoch, W. W., salary	478 58		
Disbursements	104 43		
		583 01	
Carried forward		1,351 58	

(Appendix No. 7.)—Concluded.

Name.	$ c.	$ c.	$ c.
Brought forward		1,351 58	19,999 94
DIAMOND DRILLS—*Concluded.*			
Lloyd, A., travelling expenses		54 85	
Freight, express and teaming	352 75		
Labor	2,324 96		
		2,677 71	
Supplies	795 06		
Drill furnishings	817 73		
		1,612 79	
		5,696 93	
Refunds		3,183 71	
			2,513 22
MINING SCHOOLS			1,316 57
IRON MINING FUND			25,000 00
ALGONQUIN PARK			7,916 08
RONDEAU PARK			2,260 10
			$58,895 91

AUBREY WHITE,
Assistant Commissioner.

D. GEO. ROSS,
Accountant.

(*Appendix*

WOODS AND

Statement of Timber and Amounts accrued from Timber Dues, Ground

QUANTITY AND

Agencies.	Area covered by timber license.	Sawlogs.				Boom and	
		Pine.		Other.		Pine.	
	Square miles.	Pieces.	Feet, B. M.	Pieces.	Feet, B. M.	Pieces.	Feet, B. M.
Western Timber District	10,254	8,337,243	480,635,510	486,823	21,149,457	212,884	24,955,431
Belleville Timber District ..	882	258,733	21,855,298	235,474	10,121,462	8,293	2,100,022
Ottawa Timber District	6,237	1,706,625	127,104,557	303,564	10,944,479	55 785	6,504,074
	17,373	10,302,601	629,595,365	1,025,861	42,215,398	276,862	33,559,527

GENERAL STATEMENT OF

Agencies.	Cordwood.		Tan Bark.	Railway Ties.	Posts.	Telegraph Poles.	Shingle Bolts.	Stave Bolts.
	Hard.	Soft.						
	Cords.	Cords.	Cords.	Pieces.	Cords.	Pieces.	Cords.	Cords.
Western Timber District	5,293	46,907	7,074	1,937,309	657	4,600	120	3,014
Belleville Timber District...	30	82	3,226	7,062	2,696	244	.....	.....
Ottawa Timber District	.....	3,569	.....	40,808	617	5,453	153	.....
	5,323	50,558	10,800	1,985,179	3,970	10,297	273	3,014

J. A. G. CROZIER,
Chief Clerk in charge.

No. 8.)

FORESTS.

Rent and Bonus during the year ending 31st December, 1904.

DESCRIPTION OF TIMBER.

Dimension Timber.		Square Timber.						Tamarac and Spruce.		Cedar.
Other.		Pine.		Pile Timber.		Pile Timber.				
Pieces.	Feet, B.M.	Pieces.	Cubic Feet.	Pieces.	Lineal Feet.	Pieces.	Feet B.M.	Pieces.	Lineal feet.	Lineal. feet.
28,976	3,145,060	33,264	1,705,123	3,897	168,825	8,422	795,833	1,237	32,514	146,352
4,008	672,610	.....	.....	.....	.....	.....	.....	....	.....	25,612
26,689	1,411,174	4,304	258,815	.....	.....	.....	.....	.....	286,291	.....
56,673	5,228,844	37,568	1,963,938	3,897	168,825	8,422	795,833	1,237	318,805	171,964

TIMBER, ETC.—*Continued.*

Pulpwood.	Amounts accrued.						
Cords.	Transfer Bonus.	Interest.	Trespass.	Timber dues.	Bonus.	Ground Rent.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
27,703	1,736 00	6,038 08	23,863 52	844,700 12	1,635,668 88	40,031 00	2,606,040 60
41	....	484 19	235 92	32,034 04	.....	4,218 00	36,972 15
2,089	320 00	1,877 35	4,711 44	156,511 23	.....	19,056 00	182,476 02
29,833	2,056 00	62,399 62	28,810 88	1,033,245 39	1,635,668 88	63,308 00	2,825,488 77

AUBREY WHITE,
Assistant Commissioner.

(*Appendix No.* 9.)

WOODS AND FOREST BRANCH.

Statement of Revenue collected during the year ending December 31st 1904.

	$ c.	$ c.
Amount of Western District Collections at Department ..	2,421,023 71	
Collections at Quebec	52,603 81	
		2,473,627 62
Amount of Belleville Collections	43,871 71	
		43,871 71
Amount of Ottawa Collections	128,220 26	
Collections at Quebec	5,062 96	
		133,283 22
		$2,650,782 45

J. A. G. CROZIER,
Chief Clerk in charge.

AUBREY WHITE,
Assistant Commissioner.

PATENTS BRANCH.

(*Appendix No.* 10.)

Statement of Patents, etc., issued by the Patents Branch during the year 1904.

	Number.
Crown Lands	509
School do	40
Mining do	43
Public do (late Clergy Reserves)	15
Free Grants Lands (A. A.)	115
do do (under Act of 1880)	282
Rainy River Lands (Mining and Crown)	56
Mining Leases	105
Licenses of Occupation	11
Rondeau Harbor Leases	4
Crown Leases	10
Mining Lands (University) Sales	4
Crown do do do	2
Pine	3
Under Act of 1901 (Veterans)	1
Total	1,200

CHARLES S. JONES,
Chief Clerk.

AUBREY WHITE,
Assistant Commissioner.

(*Appendix No.* 11.)

Statement shewing the number of Locatees and of areas located; of purchasers and of acres sold; of lots resumed for non-performance of the settlement duties; and of patents issued under "The Free Grants and Homesteads Act," during the year 1904.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Baxter	Muskoka	Wm. Kirk, Bracebridge	9	1,437	6	147	2	5
Brunel	do	do do	6	701			8	2
Chaffey	do	do do						2
Draper	do	do do						3
Franklin	do	do do	5	620	3	89	1	7
Macaulay	do	do do	1	100			1	
Medora	do	do do	4	400			4	2
Monck	do	do do						1
Morrison	do	do do	8	961	1	56	1	2
Muskoka	do	do do	3	318	1	8	2	
McLean	do	do do	6	567	1	4	6	4
Oakley	do	do do	2	199			1	
Ridout	do	do do	2	170	1	93	3	1
Ryde	do	do do	3	498	1	1	4	3
Sherbourne	do	do do						
Sinclair	do	do do	5	663	1	49	2	6
Stephenson	do	do do						6
Stisted	do	do do						4
Watt	do	do do	3	250			3	3
Wood	do	do do	13	1,714	1	96	9	10
Cardwell	do	Jas. Ellis, Parry Harbor			4	300	2	4
Carling	Parry Sound	do do	6	1,181			15	
Christie	do	do do	8	1,372	1	16	3	
Conger	do	do do	10	1,934	4	227	2	1
Ferguson	do	do do	3	554	1	58	3	
Foley	do	do do	2	200	1	8	3	3
Hagerman	do	do do	9	1,577			9	
Humphrey	do	do do			1	100		2
Monteith	do	do do	11	1,487			5	2
McConkey	do	do do	10	1,400				2
McDougall	do	do do	5	842			3	
McKellar	do	do do	3	398			3	3
McKenzie	do	do do	14	2,415	11	469	3	12
Shawanaga	do	do do	1	93				
Wilson	do	do do	9	1,358	4	51	3	3
Burpee	do	do do	2	400	1	100		2
Chapman	do	S. G. Best, Maganetawan	4	448	2	141	6	3
Croft	do	do do	12	1,985	2	110	7	6
Ferrie	do	do do						1
Gurd	do	do do	10	1,700	3	29	3	5
Lount	do	do do	1	85	1	82		5
Machar	do	do do	9	1,249	1	35	6	3
Mills	do	do do	3	387	2	148	3	1
Pringle	do	do do	5	792	2	60	2	4
Ryerson	do	do do	3	445	1	45	1	6
Spence	do	do do	4	379			4	4
Strong	do	do do	4	399			3	5
Armour	do	E. Handy, Emsdale	9	1,096			11	6
Bethune	do	do do	3	1,309	1	55	21	2

(*Appendix No.* 11.)—*Continued.*

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Joly	Parry Sound	E. Handy, Emsdale	10	1,740			15	4
McMurrich	do	do do	4	365	3	239	4	7
Perry	do	do do	2	400			3	3
Proudfoot	do	do do	1	88	13	602	18	11
Chisholm	do	J. S. Scarlett, Powassan	18	2,367	2	104	6	7
Hardy	do	do do						9
Himsworth	do	do do	22	3,162	2	26	15	6
Laurier	do	do do	7	959			5	4
Nipissing	do	do do	13	2,020	3	176	14	4
Patterson	do	do do	3	554	1	42		5
Anson	Haliburton	Wm. Hartle, Minden						2
Glamorgan	do	do do	3	316	1	36		2
Hindon	do	do do						1
Lutterworth	do	do do	1	173			2	1
Minden	do	do do	4	388			3	
Snowdon	do	do do	2	221				3
Stanhope	do	do do	6	593			4	1
Anstruther	Peterboro	T G. Eastland, Apsley	3	472			2	
Burleigh	do	do do	1	62				2
Chandos	do	do do	3	327	1	3		
Methuen	do	do do	3	250	1	102	2	3
Cardiff	do	C. R. Stewart, Haliburton	9	850	1	2	1	3
Cavendish	do	do do	6	862	2	17		4
Galway	do	do do	8	883	1	2	2	3
Monmouth	Haliburton	do do	15	1,792	7	366	5	7
Bangor	Hastings	do do	9	794	1	7	2	3
McClure	do	do do	3	519				
Wicklow	do	do do	2	250			1	1
Carlow	do	J. R. Tait, L'Amable	12	1,250	1	2	6	6
Cashel	do	do do	2	228				1
Dungannon	do	do do	6	888	2	1,062	3	8
Faraday	do	do do	8	996	2	17	2	5
Herschel	do	do do	3	305	1	4	4	3
Limerick	do	do do			2	115		4
Mayo	do	do do	5	887	1	26	6	1
Monteagle	do	do do	9	759	2	16	4	6
Wollaston	do	do do	3	383			1	2
Abinger	Addington	A. W. Wood, Plevna						7
Denbigh	do	do do						4
Canonto, S.	Frontenac	do do						
do N.	do	do do						
Clarendon	do	do do						1
Miller	do	do do						1
Palmerston	do	do do						1
Algona, S.	Renfrew		4	160			2	4
do N.	do		3	350				2
Brougham	do		9	1,097	1	42	2	1
Grattan	do		7	604	2	82	2	5
Hagarty	do		5	501				3
Richards	do		2	200				
Wilberforce	do		4	177			2	

(*Appendix No.* 11.)—*Continued.*

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of pur chasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Brudenell	Renfrew	Jno. Whelan, Brudenell	3	287			3	3
Griffith	do	do do	2	291				1
Jones	do	do do	14	1,482	2	73		
Lyell	Nipissing	do do	8	1,197			1	
Lyndock	Renfrew	do do	6	1,059	2	15	2	3
Matawatchan	do	do do	1	148				
Radcliffe	do	do do	7	936			1	1
Raglan	do	do do	14	1,477	2	100	9	9
Sebastopol	do	do do	2	194	1	88	3	1
Sherwood	do	do do	14	1,521	7	22	1	7
Alice	do	Jas. Stewart, Pembroke	1	100			1	1
Buchanan	do	do do	6	615			3	1
Cameron	do	do do						1
Fraser	do	do do	2	300	1	2	1	1
Head	do	do do						
Maria	do	do do						
McKay	do	do do						
Petewawa	do	do do	6	703			2	4
Rolph	do	do do	1	112				1
Wylie	do	do do					1	
Bonfield	Nipissing	B. J. Gilligan, Mattawa	7	689			4	7
Calvin	do	do do	3	512			2	2
Ferris	do	do do	14	1,600	1	100	9	14
Mattawan	do	do do	4	501			1	2
Papineau	do	do do	10	1,023			2	2
Korah	Algoma	H. N. Young, Sault Ste. Marie	2	320	2	162		3
Parke	do	do do						
Prince	do	do do	7	1,102	1	2	4	6
Plummer	do	Thos. Buchanan, Thessalon						
St. Joseph Isld.	do		15	1,533	2	424	10	8
Blake	Thunder Bay	W. H. Hesson, Port Arthur	3	480			4	
Conmee	do	do do	11	1,778	1	162	7	2
Crooks	do	do do	3	542			1	
Dawson Road	do	do do						
Dorion	do	do do						
Gillies	do	do do	21	3,374	1	10	14	1
Gorham	do	do do	11	1,724	2	5	10	2
Lybster	do	do do	14	2,184	1	2	2	
Marks	do	do do	10	1,563			12	
McIntyre	do	do do	5	791	12	38	15	
McGregor	do	do do	12	1,657			13	
O'Connor	do	do do	4	641			1	
Oliver	do	do do	13	1,975	2	161	19	
Paipoonge	do	do do	14	2,246	3	7	10	3
Scoble	do	do do	14	1,518			16	8
Strange	do	do do	7	1,010	5	339	3	
			15	2,366	4	174	12	
Atwood	Rainy River	Wm. Campbell, Stratton	1	161			2	2
Blue	do	do do	21	3,133	12	28	15	
Curran	do	do do	4	648	3	10	3	2
Dewart	do	do do			1	52		
Dilke	do	do do	6	685	1	18	6	4
Morley	do	do do	5	810	7	93	6	13

Appendix No. 11.)—*Concluded.*

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
McCrosson	Rainy River	Wm. Campbell, Stratton	17	2,627	5	381	5	...
Nelles	do	do do	27	4,048	12	111	21	1
Pattullo	do	do do	8	1,130	15	259	4	2
Roseberry	do	do do	.....	.....	...	.....	....	2
Shenston	do	do do	3	323	3	24	3	6
Spohn	do	do do	11	1,598	1	9	...	...
Sutherland	do	do do	20	3,228	1	89	...	...
Sifton	do	do do	6	974	9	34	2	...
Tait	do	do do	21	3,194	14	346	17	1
Tovell	do	do do	3	564	3	34	...	...
Worthington	do	do do	7	850	2	81	5	4
Aylsworth	do	Wm. Stephenson, Emo	3	404	1	40	2	...
Barwick	do	do do	.....	.....	...	.....	..	2
Burriss	do	do do	24	3,966	8	105	23	2
Carpenter	do	do do	10	1,617	7	42	9	5
Crozier	do	do do	8	1,132	4	88	9	15
Devlin	do	do do	7	1,017	2	9	5	14
Dobie	do	do do	17	2,746	5	89	17	...
Kingsford	do	do do	17	2,087	11	90	16	...
Lash	do	do do	4	563	6	130	4	4
Mather	do	do do	17	2,743	9	148	17	2
Miscampbell	do	do do	13	2,063	1	80	9	...
Potts	do	do do	9	1,452	7	12	....	...
Pratt	do	do do	10	1,607	4	23	4	...
Roddick	do	do do	3	366	4	116	1	...
Richardson	do	do do	12	1,821	...	.....	....	..
Woodyatt	do	do do	2	316	4	118	...	4
			1,098	152,699	326	10,212	710	894

E. S. WILLIAMSON,
Clerk in Charge.

AUBREY WHITE,
Assistant Commissioner.

(*Appendix No.* 12.)

Statement of work done in the Military Lands Branch of Crown Lands during the year.

Letters received	9,500
Letters written	8,000
Certificates issued	1,610
Documents issued in connection with certificates	8,000
Pamphlets issued	3,000
Maps issued	15,000
Forms issued	2,000
Location Certificates issued	2,040

R. H. BROWNE,
Chief Clerk in charge.

AUBREY WHITE,
Assistant Commissioner.

(*Appendix No.* 13.)

Statement of the number of Letters received and mailed by the Department in 1902 and 1903 and 1904.

Year.	Letters received.						Names indexed.	Orders-in-Council.	Returned Letters.	Letters, circulars and reports mailed from Department.
	Sales and Free Grants.	Surveys.	Woods and Forests.	Mines.	Colonization and Forestry.	Totals.				
1902....	15,055	6,480	5,339	3,828	6,299	48,401	45,207	98	62	48,500
1903....	16,750	6,612	5,923	4,572	16,976	62,333	56,319	86	58	51,250
1904....	17,960	6,735	5,786	3,250	8,239	41,970	48,230	79	47	52,110

AUBREY WHITE,
Assistant Commissioner.

FRANK YEIGH,
Registrar.

(*Appendix No.* 14.)

Statement of Municipal Surveys for which instructions issued during the year 1904.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date When Confirmed Under R. S. O. 1897, Cap. 181, Sects. 10 to 15 inclusive.
1	Alfred J. Cameron	648	29th March, 1904...	To survey right of way or road allowance along the west bank of the Otonabee river from Wolfe Street to Hunter Street in the town of Peterboro, and to define the western limit of the said right of way or road allowance by stone or iron monuments to be planted at the intersection of the several streets from Wolfe Street to Hunter Street with the said western limit, and at other places if necessary.	
2	Silas James	649	20th May, 1904.....	To survey the original allowance for road running in rear of lots thirty-nine and forty in the broken front concession of the township of York, from Ellis Avenue to the	Confirmed Nov. 16, 1904.

(*Appendix No.* 14.)—*Continued.*

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
2	Silas James.....	649	20th May, 1904	river Humber, and to define the same by permanent stone or iron monuments erected on each side of said original road allowance to mark the limits thereof, said original road allowance being that between the broken front concession and the first concession from the Bay in the said township of York, in the county of York.	
3	E. T. Wilkie	650	17th June, 1904.....	To survey the line between the sixth and seventh concessions of the township of Hinchinbrooke, in the county of Frontenac, across lots numbers eight to sixteen inclusive, and to define the concession road allowance by permanent stone or iron monuments, planted on each side thereof.	
4	Peter S. Gibson.....	651	12th August, 1904...	To survey the allowance for road between the first and second ranges Credit Indian Reserve south of Dundas Street, township of Toronto, from the northwest angle of lot eight, first range, across lots nine, ten, eleven, twelve, thirteen and fourteen in the first range, and lots six, nine and ten in the second range, Credit Indian Reserve, and thence along the road allowance between the second Range Credit Indian Reserve and the second concession of Toronto Township, south of Dundas Street, being across part of lot twenty-two, lot twenty-three, lot twenty-four and lot twenty-five in the second concession south of Dundas Street to the westerly limit of said lot twenty-five, being the easterly limit of the allowance for road between lots twenty-five and twenty-six, known as the "Lorne Park Road," and as regards the second range on the northerly side of said road allowance, being across parts of lots ten, eleven and twelve and part of lot thirteen in the second Range, Credit Indian Reserve, and to define said allowance for road by permanent stone or iron monuments planted at each side thereof.	

(*Appendix No.* 14)—*Concluded.*

No.	Name of Surveyor.	No.	Date of Instruction.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
5	W. J. Blair	652	19th August, 1904..	To survey the boundaries of the town of New Liskeard, in the District of Nipissing, in accordance with the description embodied in the Proclamation of date 30th March, 1903, as published in the Ontario Gazette of 4th April, 1903.	28th December, 1904.
6	John H. Moore ...	653	14th October, 1904...	To survey the allowance for road, forming the boundary between the Township of Osgoode, in the County of Carleton, and the Township of Mountain, in the County of Dundas, and to mark the limits of the said original road allowance by permanent stone or iron monuments on each side of the said original road allowance.	

AUBREY WHITE,
Assistant Commissioner.

GEORGE B. KIRKPATRICK,
Director of Surveys.

(*Appendix No.* 15.)

Statement of Municipal Surveys confirmed during the year 1904.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
1	James A. Bell.....	645	12th August, 1903..	To survey the town line between the Township of Logan, in the County of Perth, and the Township McKillop, in the County of Huron, from the front of the thirteenth concession of each of said townships northerly to the north town line of the townships, and to mark said portion of town line by durable monuments at the angles of the concession road allowances abutting on the said town line, in the Townships of McKillop and Logan.	15th March, 1904.

(*Appendix No. 15.*)—*Continued.*

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
2	E. T. Wilkie.....	646	31st August, 1903.....	To survey that part of the line between the fifth and sixth concessions of the Township of Hinchinbrooke, in the County of Frontenac, from lot twenty-five southerly to lot eleven inclusive, and to mark the same by permanent monuments at the angles of the lots on each side of the concession road allowance between the above concessions.	1st June, 1904.
3	E. T. Wilkie.....	643	27th February, 1903	To survey the line between the second and third concessions of the Township of Hinchinbrooke, in the County of Frontenac, across lot number twenty-four and to define the same by permanent stone or other durable monuments.	1st June, 1904.
4	W. E. Yarnold....	647	3rd November, 1903	To survey the original road allowance between lots sixteen and seventeen in the third concession of the Township of Pickering, in the County of Ontario, and to mark the same by permanent monuments of stone or iron planted on each side of the allowance for road so as to define the limits of the above lots.	20th June, 1904.
5	James L. Morris...	644	2nd May, 1903.....	To survey the road allowance between lots five and six from concession number three to concession number eight, both inclusive, in the Township of Ross, in the County of Renfrew, and to mark the same by permanent monuments on either side thereof.	16th Nov'ber, 1904.
6	Silas James	649	20th May, 1904.....	To survey the original allowance for road running in the rear of lots thirty-nine and forty in the broken front concession of the Township of York, from Ellis Avenue to the River Humber, and to define the same by permanent stone or iron monuments erected on each side of the said original road allowance to mark the limits thereof, said original road allowance being that between the broken front concession and the first concession from the Bay, in the said Township of York, in the County of York.	16th Nov'ber, 1904.

(*Appendix No.* 15.)—*Concluded.*

No.	Name of Surveyor.	No	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
7	W. J. Blair	652	August 19th, 1904	To survey the boundaries of the Town of New Liskeard, in the District of Nipissing, in accordance with the description embodied in the Proclamation of date 30th March, 1903, as published in the Ontario Gazette of the 4th April, 1903.	28th Dec'ber, 1904.

AUBREY WHITE,
Assistant Commissioner.

GEORGE B. KIRKPATRICK,
Director of Surveys.

(*Appendix No.* 16.)

Statement of Crown Surveys in progress and amount paid to date, during the year 1904.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.
1	July 7th, 1903.....	W. Galbraith....	Survey of township of Sheraton, in the District of Nipissing	$2,000 00
2	October 7th, 1904	E. Seager	do Pettypiece, in District of Rainy River..	1,400 00
3	March 2nd, 1904	T. B. Speight.....	Survey of Islands in Lake Temagami, in the District of Nipissing	1,100 00
4	May 30th, 1904 ..	Alex. Niven.	Preparation of plan of islands in Lake Temagami	.....
				$4,500 00

AUBREY WHITE,
Assistant Commissioner.

GEORGE B. KIRKPATRICK,
Director of Surveys.

(*Appendix No.* 17).

Statement of Crown Lands surveyed, completed and closed during the year 1904.

Number.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of Acres.
1	June 23rd, 1903	James Robertson	Survey of townships of Barnet and Cook, District of Nipissing	4,639 72	46,523
2	June 23rd, 1903	James Robertson	Survey of Base Line in the District of Nipissing	606 40	
3	June 26th, 1903	Jas S. Dobie	Survey of townships of Milligan and Warden, District of Nipissing	2,012 49	46,193
4	June 27th, 1903	A. T. Ward	Survey of townships of Britton & Rowell, District of Rainy River	1,426 94	46,742
5	June 29th, 1903	A. S. Code	Survey of townships of Taylor and Stock, District of Nipissing	2,636 80	45,615
6	June 29th, 1903	W A. McLean	Survey of township of McCool & north boundary Munro, Nipissing	38 15	23,020
7	June 30th, 1903 May 16th, 1904	W H. Fairchild	Survey of townships of German, Matheson and Gowan, District of Nipissing	3,703 07	68,923
8	July 3rd, 1903	John H. Shaw	Survey of township of Currie in the District of Nipissing	168 18	23,080
9	June 30th, 1903	G. L. Brown	Survey of townships of Hoyle and Murphy, District of Algoma	2,836 20	45,734
10	July 3rd, 1903	A. J. Cameron	Survey of township of Walker, in the District of Nipissing	225 04	23,056
11	July 20th, 1903	Edmund Seager	Survey of township of Revell in the District of Rainy River	551 04	22,872
12	Sept. 19th, 1903	A. T. Ward	Survey of township of Hartman in the District of Rainy River	815 53	23,079
13	June 29th, 1903	Thomas Scane	Survey of township of Auld in the District of Nipissing	56 78	22,954
14	Sept. 16th, 1903	A. H. Macdougall	Survey of township of Innes in the District of Thunder Bay	165 12	26,216
15	July 14th, 1903	D. J. Gillon	Survey of townships of Richardson & Potts, District of Rainy River	232 25	47,554
16	July 21st, 1903	Angus Smith	Survey of townships of Burt & Holmes, District of Nipissing	574 32	46,229
17	July 31st, 1903	A. Lougheed	Survey of townships of Tovell & Dewart, District of Rainy River	706 10	48,230
18	March 4th, 1904	D. J. Gillon	Survey of certain timber berths in the District of Rainy River	2,043 40	
19	February 13th, 1904	T. J. Patten	Survey of line between timber berths 143 & 149, N. S. L. Huron	278 76	
20	January 29th, 1904	Jas S. Dobie	Survey of line between timber berths 2 & 3, Chesley Additional, in Algoma	110 10	
21	May 16th, 1904	W J. Blair	Survey of township of Coleman in the District of Nipissing	1,564 21	21,453
22	July 3rd, 1903 May 16th, 1904	A. J. Cameron	Survey of townships of Clergue & Teefy, District of Nipissing	4,920 94	46,269
23	May 16th, 1904	J W. Fitzgerald	Survey of townships of Little and Mann, District of Nipissing	4,435 52	45,953
24	May 16th, 1904	Cavana & Watson	Survey of townships of Tully and Prosser, District of Algoma	4,423 71	45,849
25	May 16th, 1904	Alex. Baird	Survey of township of Calvert & South part Aurora, District of Nipissing	3,335 76	34,564
26	May 16th, 1904	John H. Shaw	Surveys of townships of Bond, Bowman & Egan, District of Nipissing	6,373 68	69,152

(*Appendix No.*17)—*Continued.*

Number.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
27	May 16th, 1904	A. S. Code	Survey of township of Carr, in the District of Nipissing	2,163 90	22,042
28	May 16th, 1904	T B. Speight	Survey of certain Base and Meridian Lines, Algoma & Nipissing	3,300 00	
29	February 25th, 1904	T. B. Speight	Survey of part of Long Point, Lake Erie	90 00	
30	March 12th, 1904	J. F. Whitson	Survey of lands adjoining Fort Frances Water Power	86 25	
31	May 31st, 1904	Jos Cozens	Survey of townships of Knox & Rickard, District of Nipissing	4,693 64	48,652
32	May 16th, 1904	A. D. Griffin	Survey of townships of McCart & Dundonald, District of Nipissing	4,130 01	45,889
33	May 16th, 1904	W. Galbraith	Survey of certain Base and Meridian Lines District of Nipissing	5,644 39	--
34	May 16th, 1904	J. S. Dobie	Survey of townships of Beatty & Munro, District of Nipissing.	4,375 35	48,615
35	May 30th, 1904	Alex. Niven	Survey of Lake Temagami and Islands, District of Nipissing	5,021 43	
36	June 13th, 1904	Thos. Scane	Survey of township of Pense in the District of Nipissing	2,223 54	20,331
37	June 15th, 1904	A H. Macdougall	Survey of township of Pearson in the District of Thunder Bay	3,030 47	35,015
38	June 30th, 1904	D. J. Gillon	Survey of township o Dance & pt. of Fleming, District of Rainy River	2,660 28	35,115
39	July 8th, 1904	J. F. Whitson	Survey of part of the west boundary of Craig & timber berth on Dog Lake	100 93	
40	Sept. 3rd, 1904	J. F. Whitson	Survey of west b'dary of Timber Berth 168 & pt. Biscotasing Lake	219 81	
41	May 16th, 1904	T. J. Patten	Survey of Base and Meridian lines in the District of Algoma	6,587 48	
42	June 25th, 1904	T. B. Speight	Survey of township of McCann in the District of Nipissing	2,527 02	23,078
			John B. Smith & Sons, wooden boxes	5 40	
			H. Treeby, Salary	836 89	
			Rice Lewis & Sons, iron posts	222 50	
				96,799 50	1,147,997

AUBREY WHITE,
Assistant Commissioner.

GEORGE B. KIRKPATRICK,
Director of Surveys.

(*Appendix No.* 18.)

BASE AND MERIDIAN LINES, DISTRICT OF ALGOMA.

Little Current, Ontario, October 20th, 1904.

SIR,—I have the honor to submit to you the following report on the survey of base and meridian lines in the District of Algoma, under instructions from your Department dated May sixteenth, A.D., nineteen hundred and four.

After forming my party principally of Indians from this place and Missanabie, I proceeded by way of Metagama Station on the Canadian Pacific Railway to my starting point at the northwest angle of the township of Murphy, and arrived there on the eighteenth of June last, having been two weeks on the way from Metagama Station.

From the above starting point I ran a meridian eighteen miles north. I then returned six miles to my twelve mile post, and ran a parallel east along the north boundaries of the township of Prosser and Tully to its intersection with Ontario Land Surveyor Niven's east boundary of Algoma, near the one hundred and forty-fourth mile post, then proceeding north on the said district line to the one hundred and fiftieth mile post I ran from there a parallel twelve miles west, having intersected at eleven miles, sixty-nine chains and nine links, my meridian. From this twelve mile post on the parallel, I then ran a meridian twelve miles north keeping the mileage continuous from the northwest angle of Murphy, thus making thirty miles therefrom. From this thirty mile post I then ran a parallel east to where it intersected the district boundary near the one hundred and sixty-two mile post. I then returned to the thirty mile post on the meridian, and ran a parallel twelve miles west. I then returned to the thirty mile post and from there ran north ten minutes east, astronomically, twelve miles, keeping the mileage continuous, thus making forty-two miles. Then from the one hundred and seventy-fourth mile post on the said district boundary, a parallel was run which intersected my meridian near the forty-two mile post. From this intersection I then ran a parallel eighteen miles, the mileage on posts reckoning from my meridian.

Parallels were run on six mile chords, with the exception, as shown in the field notes, of a portion of the parallel from the twelve mile post on the meridian, also a portion of that from the one hundred and fiftieth mile post on the district boundary, and the one running west from the thirty mile post on my meridian.

Wooden posts were planted at every mile excepting where the mileage occurred in a lake or river. At such points witness posts were planted on the shore, with the mileage and plus chainage marked thereon. Where a post was intended to mark the corner of a township, the name was marked on that side of the post facing the township. An iron post one and seven eights inches in diameter was also planted every six miles to mark the township corners, and at every three miles midway between, a one and one quarter inch iron one was planted. All posts were marked with the mileage on the side facing the direction from which the line was run and measured.

The magnetic variation ranges from two to twelve and one-half degrees west, but is mostly from eight to nine degrees. In some places it was fairly uniform.

The lines were well cut out and blazed.

The distances from the intersections of my lines with the several closing points are noted in the field notes.

I endeavored to observe for azimuth at least every six miles, but on account of cloudy weather, at times I was unable to.

The southern portion of the country traversed is generally level, and some low lands, with an occasional ridge a few feet above the general level covered with poplar and red spruce, and occasionally a few birch and balm of gilead. The middle portion is nearly all level with a considerable part of it low lying and covered with a thick growth of red spruce and dead tamarac. The northern portion is mostly higher ground, and towards the Frederick House River is hilly, and generally compares very favorably with the fine farming districts in the south of the province. From the hill on the fortieth mile of the meridian, a splendid view was obtained of the country to the south-west, west, north-west and north, and as far as could be seen with a field glass, probably nearly forty miles, it appeared to be poplar ridges. To the north-east, east and south-east, it appeared to be rolling and hilly.

A few small lakes were crossed by the lines.

The soil is in the higher tracts clay and clay loam. In the lower tracts it appears to be clay, but covered with black muck to various depths. At the northeast angle of the township of Tully some sandy loam was seen. At least seventy-five per cent of the land is capable of cultivation with a fair amount of draining by the settlers, and with a system of drainage under Government aid, practically all the country would be available. In the northern part, somewhat more than half of the country is high and rolling or slightly rolling. A great portion of that which now appears to be swamp, and which is included in the seventy-five per cent. mentioned, would, when cleared, be sufficiently dry. An evidence of this appears in the fifteenth mile of the meridian, where a large tract of the swamp having been burned, was quite dry, and the heavy growth of moss having been cleared, and mixed with the muck, makes a highly productive soil. This moss prevails to a considerable extent in the lower tracts, and is from ten to sixteen inches thick.

There is very little rock, only five outcrops of granite were found on the lines. No other rock was seen, except at the rapids in the larger streams. There were no indications of mineral.

The timber on the higher ground is chiefly poplar, white birch, balsam, with a few balm of gilead, and white spruce, and is usually tall clean timber, from six to twenty-four inches in diameter. On the most northerly line there are some large cedars on the higher lands. In the low lands the timber is principally red spruce and dead tamarac up to twelve inches in diameter. Away from the streams and in the very wet muskegs the timber is spruce in places and scrubby. It was observed that the small tamaracs seemed fairly thrifty, with some traces of decay, but whether they are also dying, or recovering from the scourge peculiar to them, we could not make out.

The Mattagami River, is a fine stream. It averages about seven chains in width and twelve feet deep in low water, with banks about fifeten to twenty feet, and slow current.

The Muskego River, which empties into it from the west is about two chains wide, and ten feet deep, and fifteen foot banks, with usually a slow current.

The Driftwood Creek, which empties into the Frederick House River, is much the same as the Muskego.

A large stream, about one chain wide and four feet deep, between the meridian and Frederick House River could probably be used to advantage in the survey of those townships.

The Frederick House River is usually about three chains wide and from ten to twelve feet deep in low water. There is a good deal of swift water on it,

which, in high water, would make it difficult to ascend. The Indians prefer to go up the Driftwood Creek and across to the Mattagami in high water. They say that there is a creek above the portage from the Driftwood, which in high water makes it quite easy to cross over to the Mattagami. In low water it is better, if not the only way, to go by the portages, as shown on the map.

There appears to be plenty of large game, except caribou. Also partridge, duck, beaver, muskrat, mink, rabbit. We saw, on our return, all along the banks of the Mattagami River, where the bears had torn down the red willows while eating the willow berries, of which they seem to be very fond. Our canoemen shot some sturgeon in the Frederick House River. We caught also pike and pickerel.

There is an abundance of raspberries, strawberries, goose berries, red and black currants, cranberries and high bush cranberries.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) T. J. Patten,

Ontario Land Surveyor.

To the Honorable, the Commisisoner of Crown Lands, Toronto.

(*Appendix No.* 19.)

BASE AND MERIDIAN LINES, DISTRICT OF NIPISSING.

Bracebridge, Ontario, October 31st, 1904.

SIR,—I have the honor to submit the following report on the survey of base and meridian lines in the District of Nipissing, under instructions from your Department, dated the sixteenth day of May, A.D., nineteen hundred and four.

Soon after receiving the instructions, I was joined at North Bay by the members of my party, and we journeyed, by way of the usual canoe route, to Lake Abitibi, then continued down the Abitibi River about six miles to the meridian line run by Ontario Land Surveyor, T. B. Speight, in nineteen hundred and two, at which point we arrived on the twenty-second day of June and made preparations for the commencement of the survey.

On the twenty-third day of June I began the first meridian, which forms the east boundaries of the townships of Knox and Moody, commencing the work at the iron and cedar posts planted by Mr. Speight near the Abitibi River, and marked by him "XLV M, 14 chains 54 links". From this point I ran due north a distance of nearly nine miles, planting at the end of every mile, a substantial wooden post, and iron posts at every third mile, all of which posts were marked with the number of miles they are distant north of the township of Eby.

I then proceeded to the twenty fourth mile post on Ontario Land Surveyor Patten's base line, at the northeast angle of the township of Walker, and ran the second meridian north from this point a distance of twelve miles; this line forms the west boundaries of the townships of Rickard and Wesley and the east boundaries of Teefy and Edwards.

After returning to the Abitibi River I travelled westerly along Ontario Land Surveyor Patten's base line to his twelfth mile post, at the southwest an-

gle of the township of Calvert, and then ran my third meridian due north between the township of Calvert and McCart, and between Aurora and Newmarket.

Along the second and third meridian lines wooden posts were planted at the end of every mile, and iron posts at every third mile, and were marked with the number of mile north of Ontario Land Surveyor Patten's base line; the sixth mile posts were also marked with the names of the adjoining townships.

Then, proceeding to the one hundred and fiftieth mile post on the District boundary between Algoma and Nipissing, I ran a base line due east on the six mile chords of a parallel of latitude, to the west shore of Lower Lake Abitibi; this line forms the north boundaries of the townships of Mann, Newmarket, Aurora, Edwards, Wesley, and Moody. Along the base line wooden posts and iron posts were planted and marked with the number of miles from the District boundary.

When surveying the base line, the third and second meridians were continued north twelve miles in each case to intersect Mr. Speight's base line, which line had been run before I reached these intersections.

All of the lines were well opened out and blazed in the usual way; at all river crossings and at the shore of Lake Abitibi I was careful to have a number of trees blazed so that the lines can readily be seen from the water.

The magnetic variation was fairly uniform at from seven degrees thirty minutes to eight degrees thirty minutes west, the only marked local attraction being near the district boundary in the township of Mann.

General Features.

In many places along the Abitibi River and extending back for about one mile the land is rolling and somewhat broken by ravines cut through the clay by the running streams, while the remainder of the country, which would be about seventy-five per cent of the lands travelled over, is quite level or undulating. The surface of the ground is generally at an elevation of from ten to twenty-five feet above the level of the water-ways, affording good opportunities for drainage when the country is opened up.

Many spruce swamps occur in the level tracts along the base line and to the north of this line; these swamps are capable of being made into excellent land by drainage, and in most cases the streams are so numerous that no very long drains will be required. In all these swamps the surface is covered with a thick coating of moss, and where soundings were made I found the soil to be a black vegetable mould, always underlaid by clay at a depth of from three to six feet.

Soil.

The soil is excellently suited for agriculture and is clay loam, and clay, and in many parts is extremely rich in vegetable matter. Much of the clay appears to contain a percentage of sand, and will no doubt make a profitable soil with cultivation. Sandy soil was found at some points along the lines; the most extensive stretch of this soil being along the third meridian in the townships of McCart and Calvert.

The abundant growth of small fruits, raspberries and currants, give evidence of the great productiveness of the soil over the larger part of the country

Timber.

Along the streams, and on the rolling lands, the timber is of fair size and quality, comprising spruce, balsam, white birch, poplar, tamarac, with some balm of gilead, cedar and banksian pine. The tamarac is now mostly killed by insects. In the swamp lands is a more stunted growth of spruce and tamarac.

Minerals.

Outcroppings of rock chiefly of Huronian formation occur at the different falls and rapids along the Abitibi and the Mistogo Rivers; these exposures are covered before extending far inland. No fixed rock was observed along the meridian lines, and exposures occur at only four points along the base line, namely, at the west shore of the Frederick House River; a low ridge on the sixth mile, a prominent outcrop on the twenty-second mile, and a narrow ridge on the forty-second mile.

The geogical features of the country were examined during this season by Mr. J. G. McMillan for the Bureau of Mines.

All of the townships within the limits of the survey contain a large percentage of excellent land, and upon the opening of railway communication this whole tract will afford splendid openings for settlement.

Very little of the timber has been destroyed by fire and large quantities of spruce, poplar and other woods are available for pulpwood and other purposes.

With this report I forward plan of survey and field notes made out in the usual form.

I have the honor to be. sir.

Your obedient servant,

(Sgd.) W. Galbraith,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 20).

Base and Meridian Lines, District of Nipissing.

Toronto. Ontario. 27th December, 1904.

Sir,—I have the honor to submit the following report on the survey of certain base and meridian lines in the District of Nipissing, pursuant to instructions from your Department, bearing date the sixteenth day of May, A.D., nineteen hundred and four.

On the twenty-fifth of May I left Toronto, taking six men, and on arriving at Mattawa secured four others.

The remainder of the party were engaged at North Temiskaming and New Liskeard, making a total of nineteen all told.

Dr. Joseph Workman, representing the Bureau of Mines, accompanied us for the purpose of making a special report on the geological features.

One detachment of supply men with about half the season's supplies went by way of the Abitibi River to Abitibi Post, where the goods were to be stored.

With the remainder I proceeded up the Blanche River and Black River route and completed the subdivision of the township of McCann, as already reported. During the progress of the subdivision work my supply men were engaged in forwarding provisions for use on the base line work and in opening out the necessary trails between Abitibi River and the district boundary.

Having completed the survey of the township of McCann, we travelled down the Black and Abitibi Rivers to about the latitude of the first base line covered by my instructions, and went thence overland to the district boundary.

While on the last stage of this journey a lamentable accident befell my supply men, who at that time were forwarding provisions for temporary storage in a log house near the head of the Long Sault Rapids, about eight miles down the Abitibi River from our point of departure.

Four men, William Default, David Lacelle, Joseph Burns and Arthur Fleury, started from our camp on the morning of the thirteenth of July with our largest canoe, containing about one thousand pounds of provisions and two hundred pounds of iron bars for the store house referred to. The three first named had been sent by me down the river on the previous day to examine it, and the report brought back was favorable. It was therefore without any thought of risk that I despatched them on the thirteenth, with the cargo mentioned.

About two P.M. Default and Burns returned to Camp with the sad tidings that Lacelle and Fleury had been drowned in the rapid at the head of the Long Sault, and that they themselves narrowly escaped a similar fate. We at once set to work to improvise grappling irons to search for the bodies of the unfortunate men, and with two canoes continued until the evening of the fourteenth our fruitless quest.

From the report of the survivors it appears that their journey was uninterrupted by any rapid of importance until they reached the second island in the river, and, from the Departmental map, a copy of which I had furnished them with, the Long Sault was supposed to be still at least two or three miles down the stream. They took the left hand channel and soon found themselves approaching a chute with a sheer drop of about four feet. It was then too late to turn back or effect a landing, so the canoe was headed for the fall. At the foot it swamped and capsized. Lacelle reached the top of the upturned canoe, but was unable to maintain his hold and sank. Fleury had even less chance, as he was thrown quite clear of the canoe when it capsized, and sank immediately. Default managed to seize the bow line, to which he clung until the current carried him into quieter water, when he managed to right the canoe and make his way ashore. Burns grasped a case of evaporated potatoes floating near him, and it proved to have sufficient buoyancy to support him until he was cast ashore about half a mile down stream.

All the contents of the canoe having been lost, the survivors improvised paddles and made their way back to camp as stated.

I have since learned that the body of Fleury was found some weeks later at a distance of twenty miles below the scene of the disaster, and after having been identified by his relatives, was buried by them near where the body was found. It has been said that poor Lacelle's remains were seen by Indians on the river bank near where the Frederick House River enters the Abitibi.

Both Fleury and Lacelle were residents of Mattawa: the latter left a widow and several children.

The survey of my first base line was begun at the end of the one hundred and sixty second mile on the district boundary as run by Ontario Land Surveyor Niven in eighteen ninety-eight, at which point I found an iron post one and one-quarter inches in diameter planted beside a tamarac post, both

bearing the marks CLXII M. on the south side, N. on the east side and A. on the west side.

Having taken an astronomical observation, and verified the course of the district boundary, I laid off from it the required angle of eighty-nine degrees and fifty-seven minutes, and ran east twenty-four miles, on six mile chords of the parallel of latitude passing through the initial point, planting a wooden post of as durable material as could be obtained at the end of each mile, and marking on the west side of each post the number of the miles from the district boundary. At the ends of the sixth, twelfth, eighteenth and twenty-fourth miles I planted iron posts one and seven-eighths inches in diameter and three feet long, marking them similarly to the wooden posts, and at the ends of the third, ninth, fifteen and twenty-first miles I planted iron posts one and one quarter inches in diameter and having marks similar to those on the respective wooden posts beside which they were planted.

We returned to the twelfth mile post and ran due north twenty-four miles, planting posts similar to those on the base line as above described as far as the twelfth mile only, when the supply of iron posts ran low. I planted an iron post at the eighteenth mile on this line and reserved the sole remaining iron post for the sixth mile on the second base line.

Returning to the twelfth mile on the meridian line as above described, we ran west on six mile chords of a parallel of latitude, and closed on the district boundary at the one hundred and seventy-fourth mile post. As my second base line struck only four links south of this post, I did not plant a new post to mark the westerly extremity of the base line.

The disaster of the thirteenth of July had, naturally, a very depressing effect on the spirits of the party, and when we reached the Abitibi River with the first base line, five men determined to return to Mattawa. Others left later as opportunity offered, and the best I could do towards replacing them was by engaging local Indians by temporary arrangement, as they were obliged to leave me at the first of September to prepare for the hunting season.

To bring in more men from Mattawa would have involved a month's delay, so I was reluctantly compelled to withdraw from the survey, notwithstanding the fact that I had ample supplies to complete the work covered by my instructions.

General Features.

The country traversed by the three lines comprised by this survey, and which for the purpose of reference are designated the first base line, the second base line and the meridian, is for the most part level with occasional swamp areas of considerable extent, caused by slight depression below the general elevation.

In the vicinity of the rivers and larger creeks the surface tends to rolling. Only one lake of open water was crossed by any of the above lines.

The Abitibi River with its tributary streams carries the water to James Bay.

Soil.

Heavy clay forms the chief soil of the whole section. Clay loam appears in places, particularly along the streams. The swampy areas above referred to result from comparatively slight depressions which hold sufficient water to promote the growth of moss. The moss, in turn, prevents the escape of the water, and peaty deposits result, in many cases from one to two feet in depth. These swamps are, as a rule, easily convertible into good farm land by slight expenditure for drainage. There are a few small ridges of sand, but of limited extent.

Timber.

Spruce, white birch, balsam, white poplar, balm of gilead and tamarac, in the above order of prominence, constitute the forest of the district, a few banksian pines and cedars occurring at intervals. In and about the valleys of the Abitibi River and smaller streams, spruce in fairly large quantities attains a diameter of from fifteen to twenty-four inches and will some day become an important asset in the way of lumber. White poplar and balm of gilead also reach a diameter of twenty to thirty inches in the more favorable spots. It is a fair assumption that this region will yet be found of considerable importance in the production of pulp. In the parts more remote from streams, and particularly in the moss grown areas the timber growth is more stunted. Brule was met with on the third, fourth and fifth miles of the meridian line. the result of a fire probably six or seven years ago. It extends to about a mile to the east and three or four miles to the west of that line. Nearly all the older growth tamarac in the whole district is dead from the ravages of the pest, but the trees of a more recent growth seem to be escaping.

Minerals.

With the exception of occasional rapids in the streams, no rock outcrop was observed by me, and I have therefore no economic mineral to report. Dr. Joseph Workman, representing the Bureau of Mines, will, however, make a special report under this head.

Water.

As above noted, the main waterway is the Abitibi River, which has an average breadth of perhaps three hundred feet and depth varying from eight to twelve feet, except where rapids occur. Its immediate banks rise to an average height of about ten feet, but at a distance of from two hundred to three hundred feet from the channel the valley's banks reach an elevation of from fifty to seventy-five feet. The Long Sault Rapid which is crossed by the second base line in the eleventh mile, extends about four miles south of that line and probably two miles north, and has a total fall of seventy-five to eighty feet. While at present a very disagreeable obstruction to navigation, this fall is capable of being developed into a valuable water power when circumstances warrant it.

Chin River is the only other stream (within the area included by my survey) which is navigable for canoes. Its breadth is from one to two chains, and depth about five feet. Numerous rapids obstruct its course, particularly in the part to the north of the second base line. Some of these will be useful for smaller water powers when required. In all the streams referred to the usual turbid appearance characteristic of the clay belt was noticed. Navigation is rendered unusually dangerous by reason of this quality, as obstructions six inches below the surface of the water are invisible. The almost complete absence of lakes is a peculiar feature of this region.

Game and Fish.

Moose, bear and beaver are fairly numerous. Mink, martin and fisher are present in smaller numbers. Pike, pickerel and perch were occasionally taken, but were scarce.

Summary.

Not less than sixty per cent. of the country embraced by this survey is good soil, well adapted for agriculture. To this may be added a further twenty-five per cent. of wet land requiring but little drainage to make it available for that purpose.

Sufficient timber for all local needs, with a fair surplus for export, is distributed fairly evenly.

The climate, so far as our observations of the summer of nineteen hundred and four go, is not unsuited to the profitable carrying on of farming. The rainfall was much less than that reported in older Ontario, and frost was noted once in July and twice in August, but on no occasion was it such as to injure crops.

When the proposed railway lines are completed, I feel confident that a large addition to the agricultural possibilities of the Province will be found in this region.

Until access to and through the district is made possible by means of railway facilities, it must of necessity remain dormant.

Accompanying this report are a general plan and field notes of the entire survey.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) T. B. Speight,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 21).

Township of Murphy, District of Algoma.

Morrisburgh, Ontario, December 20th, 1904.

Sir,—I have the honor to submit, herewith, my plan and field notes of the survey of the township of Murphy, in accordance with instructions from your Department under date of June thirtieth, A. D., nineteen hundred and three.

I began this survey about the ninth of August, commencing at the iron post planted at the south-west corner of Hoyle as instructed, and completed my work on the twenty-third of September. This township, like Hoyle, is generally level, except that in a few places it is intersected by low rocky ridges, and the soil is also clay, very similar to that of Hoyle, but has occasional patches of sand upon which are found growths of jack pine, the rest of the township being wooded with spruce, with the usual marginal belts along the lakes and streams, of balm of gilead, white birch and poplar. There are two or three very pretty lakes, and one of considerable size, with clear water, and apparently well stocked with pike. Here, as in Hoyle, were abundant evidences of beaver.

A creek of some size runs northeasterly across the northern part of the township, and discharges into the Porcupine River. This is a township of excellent land, though probably not equal to Hoyle.

After completing my survey, before returning home I traversed a considerable portion of the Porcupine River, which may be characterized as an ex-

tremely crooked creek, until it reaches a point in the fifth concession of Hoyle, where it develops into a fine stream, with high banks.

Both townships being so level, it is needless to say that there are no water powers.

The natural outlet of these townships is by the Porcupine River, Night Hawk Lake, and its outlet at the north-west corner, northerly by Frederick House River. The agricultural capabilities of Hoyle and Murphy, and their vicinity to the route of the Grand Trunk Pacific, (if indeed that railway does not pass through these townships), mark them out as being particularly valuable, and desirable for settlement, especially as by means of the Temiskaming and Northern Ontario and Grand Trunk Pacific Railways, they will be so easy of access.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) Geo. L. Brown,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 22.)

Township of Hoyle District of Algoma.

Morrisburgh, Ontario, December 29th, 1904.

Sir,—I have the honor to transmit herewith the plan and the field notes of my survey of the township of Hoyle under instructions from your Department, dated June thirtieth, A. D., nineteen hundred and three.

I started on the twenty-first day of July, nineteen hundred and three, but as canoes for transportation could not be obtained, I had to remain at Metagami Station until I built punts. This and the uncommon difficulties of the route delayed me so that I did not reach my location until the nineteenth day of August, and so was unable to complete my work that season. I began at the southeast corner of the township of Hoyle, where I found Ontario Land Surveyor Niven's one hundred and twenty-sixth mile post on the district boundary between Nipissing and Algoma, and ran a line westward, twelve miles, forming the southern boundary of the townships of Hoyle and Murphy, to a post planted by Ontario Land Surveyor Speight, which I struck within nine links. On the way, at the sixth mile, I planted, as instructed, an iron post, marked Hoyle on the northeast side, Whitney on the southeast side, Tisdale on the southwest side, and Murphy on the northwest side, and Con. I on the North side XII. on East side and I., on West side. I then prosecuted the survey of the township, until the increasing frost warned me to return home.

This year, I made light skiffs for transportation purposes, and took them with me, leaving home with men and equipment, on the twenty-seventh day of June, reaching Mattawa on the twenty-eighth, where I took the train for Temiskaming, and there the steamer for Haileybury. Thence I portaged seven miles by wagon road to Bay lake, an arm of the Montreal River. We ascended this river to the height of land, which having crossed, we availed ourselves of various lakes and streams to Night Hawk Lake. This we crossed in the night, as even a light wind makes it dangerously rough. We then ascended the Porcupine River, a tributary from the northwest to a point half a mile east of Hoyle and about three miles north of its south boundary, hav-

ing made the trip from Bay Lake in ten days. The portages by this route are somewhat numerous, but short, and the trails are smooth and dry. I found the skiffs I had made very much superior to canoes in loading capacity, safety on the water, and in running rapids, and the route much less arduous than the former one from Metagami Station by the Spanish River, and the Metagami River and Lakes.

I completed my survey of the township of Hoyle on the eighth day of August., This township is covered with an unbroken but open forest, almost wholly of spruce, except near the margin of the streams, where there is almost invariably a heavy growth of magnificent balm of gilead, white birch and poplar, with tall straight and smooth trunks. The spruce run from five to twenty-four inches in diameter. There are no clearings or settlers in this township. The surface is very level, well watered with small streams, the southeastern portion sloping towards Night Hawk Lake, and the rest of the township sloping towards the north and east. The soil is clay with a thin over-lay of muck, covered with moss, most excellent agricultural land, with hardly an acre of poor land in the whole township. The Porcupine River runs northerly and easterly through the township, and although one of the most tortuous of crooked streams, maintains a perceptible current throughout and with its tributaries gives excellent facilities for drainage. The water of this river and of the streams is much colored, no doubt from the surface muck, and contains few fish.

Partridge were very plentiful, and moose, numerous. My men, one morning on the line started up a herd of six moose. Everywhere on the streams were evidences of the recent presence of beaver.

The growing season is of course shorter than in Old Ontario, but vegetation, I judge, is rapid during the summer months. On the nineteenth of August we sampled potatoes in a patch on an island in Night Hawk Lake and found them to be of good size, plenty in the hills, and the tops yet green. Fine wild red currants were abundant all through the township, and we picked ripe red raspberries in July, August and September.

All of which is resepctfully submitted,

Your obedient servant,

(Sgd.) Geo. L. Brown,
Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 23.)

Township of Gowan, District of Nipissing.

Simcoe, Ontario, December 29th, 1904.

Sir,—I herewith beg leave to submit my report on the survey of the township of Gowan, in accordance with instructions dated the sixteenth day of May A. D., one thousand nine hundred and four.

I began work in this township immediately on the completion of the township of German, which I had not been able to complete the previous season.

The work was easy of access by way of Porcupine River which touches the southern boundary a little more than a mile from the southeast angle of the township, thus placing me in a good position to begin work at once.

This township is very level except for one large outcropping of rock near the southwest corner. On the line between the fourth and fifth concessions I do not think two points could be found which would show a difference in level of over five feet. Nearly one-half of the township is open swamp, perfectly level, with small trees from two to four inches in diameter and free from underbrush.

With the exception of the rocky hill mentioned the township is almost perfectly level and nearly all swamp. The surface is covered with moss and vegetable mould, while the sub-soil is mostly hard clay though pockets of sand occur. That part covered with open swamp and comprising about one-half of the area would be unfit for agriculture. It has at some time been fire swept leaving only the hard clay subsoil on which moss has formed and which supports a growth of small scattering trees. The other half of the township could be drained but even then could not be called good agricultural land except less than ten per cent. of the total area which is slightly higher than the surrounding land.

About fifty per cent. of the township is covered with a heavy growth of spruce with some balsam and a small amount of poplar and white birch. The spruce comprises ninety per cent. of the whole amount and is of good quality. The remaining half of the township is sparcely covered with small spruce and tamarac. The small tamarac are alive and are the only trees of this kind I saw living in the northern area.

Beyond the Porcupine River and one of its tributaries which touch the south boundary very little water exists in the township. A very small creek runs southerly through the central part of the township but this is dry at times.

There is only one outcrop of rock and that is of the Huronian formation. No traces of economic minerals were found.

Iron posts one and seven-eighth inches in diameter are planted at each of the angles of this township marked with the names of the townships facing the proper angles.

Iron posts one and one-quarter inches in diameter are planted on the south boundary at the intersection thereof with the side line between lots six and seven, and similar posts are planted on the front of the fourth concession at its intersection with the east and west boundaries, and also with the side line between lots six and seven, and also at the intersection of the side line, between lots six and seven with the north boundary.

Moose, bear and deer are found but are not plentiful. Beaver have been plentiful but the abandoned beaver farms show that they have suffered depletion lately. Partridge are numerous.

The magnetic variation in this township was constant at eight degrees and forty-five minutes west.

I enclose a general plan, timber plan and field notes.

I have the honor to be, Sir,
Your obedient servant,

(Sgd.) W. H. Fairchild.
Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 24.)

Township of Tully, District of Algoma.

Orillia, Ontario, October 22nd, 1904.

Sir,—In compliance with your insructions bearing date of May sixteenth, A.D., nineteen hundred and four, for the survey of the townships of Tully and Prosser in the District of Algoma, we proceeded as soon as preliminary arrangements could be completed to carry out the work outlined therein. Leaving the flag station of Metagama on the line of the Canadian Pacific Railway in canoes, on the third day of June, we ascended the waters of the Spanish to the height of land and thence descended the waters of the Metagami, passing the old Hudson Bay Post of that name, to a point a few miles below the base line run by Ontario Land Surveyor Niven in eighteen hundred and ninety eight where the portage trails cross the township of Tisdale to Porcupine Lake. Traversing these portages and passing through Porcupine Lake we descended the shallow creek of the same name into Night Hawk Lake, and thence down Frederick House River and Lake to the foot of the westerly bay extending into concession five of the township of Evelyn. As no further use could be made of our canoes they were cached at the latter place and the whole outfit of supplies and other impedimenta packed across the township of Evelyn to its northwesterly corner, this being the starting point for our work. This route after leaving the Matagami, as may be seen by the map, is long and circuitous, but owing to the nature of the country was deemed to be the best that could be obtained. With a portion of our supplies we reached the starting point of survey operations on the twenty-eighth day of June and at once commenced work.

After obtaining an astronomical observation we commenced the survey of the south boundary of the township of Tully from the one hundred and thirty-eighth mile post on the District Boundary, and thereafter developed the work of subdivision in the usual manner, keeping in mind the details given in the instructions above referred to. The side lines were run due north astronomically and the concession lines due east and west astronomically dividing the township into blocks of one square mile or thereabouts, these blocks being marked for further subdivision into lots of three hundred and twenty acres or thereabouts by posts planted on the south boundary and the several concession lines at the front of each concession. No posts were planted on the north boundary except at the intersection of the side lines, each post was marked with the lot numbers and concession numbers to which it had reference in keeping with the system of single fronted concessions; the posts planted at the intersection of concession lines with side lines being marked on the east and west sides with the numbers of the lots and on the north and south sides with the respective concession numbers, while the posts planted on the concession lines midway between the side lines were marked on the east and west sides with the lot numbers and with the concession number on the north side only. The lots were numbered from one to twelve beginning at the east and the concessions from one to six beginning at the south.

Owing to the difficulty of obtaining satisfactory points at this place on the district line, the line between concessions three and four was run due east astronomically from the chained point on side line two and three and was found to intersect the district line nine links to the north of the iron post planted by Ontario Land Surveyor Niven to mark the one hundred and forty-

first mile. A wooden post was accordingly planted at this intersection and marked with the concession numbers on the north and south sides and with the lot number on the west, the iron post being also inadvertently marked in a similar manner by our chainman. The iron post at the southeast angle of the township and marked CXXXVIII M., was marked with the name Tully on the north-west side, Con. I. on the north side and I. on the west side. The iron post planted by Ontario Land Surveyor Patten at the north-east angle of the township was marked on the south-west side with the name Tully, on the south side Con. VI., and on the west side I. Three iron posts one and one-quarter inches in diameter and three feet long, forged at the top and pointed at the bottom were planted alongside the wooden posts on the side line between lots six and seven; one at its intersection with the south boundary being marked on the east side VI., on the west side VII., and on the north side Con. I.; one at the intersection with the line between concessions three and four being marked on the east side VI., on the west side VII., on the south side Con. III., and on the north side Con. IV.; and one at the north boundary being marked on the east side VI., on the west side VII., and on the south side Con. VI. An iron post of similar dimensions was also planted at the intersection of the line between concessions three and four with the west boundary being marked on the east side XII., on the west side I., on the north side Con. IV., and on the south side Con. III. Iron posts one and seven-eighths inches in diameter were planted, one at the southwest angle of the township marked on the northeast side with the name Tully, on the north-west side with the name Prosser, on the north side Con. I. on the east side XII., and on the west side I.; and one at the northwest angle marked on the south-east side with the name Tully, on the south-west side with the name Prosser, on the east side XII. on the west side I. and on the south side Con. VI. Bearing trees were in all cases marked and their positions noted with regard to the several posts.

This township might be shortly described as comprising thirty-six square miles of clay flats, the undulations being so gentle and of so small altitude as to give the impression to a person travelling over it of an almost perfect level. This impression would of course be corrected by observing the streams which flow regularly to the north and northwest, showing the country to dip in that direction. The soil throughout is a heavy greyish clay burning to light red in the fire, and although it usually has but a slight covering of mould, there was found to be in some locations a deposit of from one to three feet of black vegetable mould. It is also free from stone. A notable feature of this part of the country is the presence of considerable areas of open peat swamp. These appear to be almost perfectly level. The surface presenting the smooth even appearance of a lawn, mosses of various colors taking the place of grass. In such places there is usually found to be a deposit of from one to three feet of peat overlying firm clay soil, the timber being composed of spruce and tamarac thinly dispersed and rarely exceeding four or five inches in diameter. That these swamps are capable of being economically drained would appear from the fact that they do not occupy the lowest parts as it was observed that on descending a gentle slope after passing through such a swamp the advantage of ample drainage was at once apparent from the firm clay soil and large timber. With reference to agricultural operations the chief need would be thorough drainage, and this being carried out would in our opinion render more than ninety per cent. of the entire area of the township valuable to the farmer and stock raiser.

Two main creeks cross the township flowing from south-east to north-west, the first taking its rise in the small lake at the southeast corner and passing

across the north boundary at the line between lots eight and nine; the second entering across the south boundary on lot nine and passing across the west boundary in concession five. The volume of water found passing through these creeks during the present season was extremely small in comparison to the capacity of their channels, the water being held throughout their entire courses by beaver dams placed at short intervals. Owing to the manner in which these streams and their smaller branches traverse the township the drainage of the entire area becomes a simple matter, the creek channels affording ample carrying capacity for main drains leading into them, and the comparatively level nature of the country permitting these to be constructed at a minimum of expense. The beds of the creeks lie well below the level of the country and ample fall will be obtained to afford effectual drainage.

The water in the streams is generally clear, excepting in the northerly part of the creeks above mentioned where it is somewhat muddy; and is excellent for drinking. Only two small lakes were encountered within the boundaries of this township, and these from their small area and shallowness might more properly be called ponds.

Among the trees composing the forest growth the spruce predominates, being largely in excess of any other species. Tamarac has also formed an important part but the trees of this species are now nearly all dead, due doubtless to the same cause that has caused a similar result in the older parts of the province. Poplar, balm of gilead and white birch occur on the higher lands and in relative importance stand in the order named. White cedar was met with rarely in tree form and then scrubby and valueless. It occurs frequently however as a tangled undergrowth in the swamps. Alder, willow, dog maple and hazel all contribute in various localities to form a thick undergrowth. Although large examples of spruce and poplar are met with, the average diameter of the trees is small, probably not more than eight or nine inches but the thick growth would yield a large quantity of pulp wood per acre, and of the kinds most valuable for that purpose.

In the open meadows along the streams grasses grew in rank luxuriance, the variety commonly known as blue joint being most conspicuous.

Berries were found in great variety and abundance, raspberry bushes taking possession of any open spot in the woods caused by windfall or dead trees, and putting forth an abundant crop; while wild strawberries were found to be ripe on July sixteenth and lacked none of the delicacy or flavor belonging to their southern congeners. A peculiar berry which we have not observed further south was found in the open peat swamp and known to the Indians as the "flagatoma." It resembles in appearance the yellow garden raspberry and in flavor suggests the cranberry or the grape being slightly acid and pleasant to the taste. A single berry grows upon each productive plant, the latter bearing two five lobed leaves and rising about six inches above the moss. The berries which are partially enclosed in four or five bracts until ripe are first white, then scarlet, turning yellow or salmon colored on maturity. Both low and high bush cranberries were plentiful. Two varieties of the red currant were observed, one commonly known as the skunk berry, and the smooth well flavored variety common to our more southern gardens, the latter growing to great perfection. There were two varieties also of the black currant, one being hairy and of slightly acid flavor, and the other large, smooth and possessing to the full the strong flavor so well known in our garden black currants.

Among the wild flowers common to more southern localities were noticed the brier, lily of the valley, golden rod, pink and yellow orchids, marsh marigold and blue flag.

Of the large game the moose is fairly abundant and also the red deer, while occasional signs of the presence of the caribou were observed. Not many signs were seen of the bear for which we had no regret as we could ill afford to present him with the freedom of our caches, but numbers we understand are taken here by the Indians. In fur bearing animals the beaver is chiefly in evidence and the dams built by these industrious workers are very numerous along the creeks giving them an exaggerated importance in the apparent volume of water. Mink, Otter, and Martin were also met with. The hare frequents some localities and the red squirrel everywhere. As there are no considerable lake areas within the boundaries of the township and only small streams the occurrence of fish was not to be expected, the small grass pike being the only kind observed.

Although much pessimism will doubtless be indulged in regarding the economical possibilities and future prospects of the region of which the above township forms so small a part especially by persons who do not make a due allowance for the difference of conditions that obtain between a section of the country settled and cleared, or partially so, and one where the hand of man has yet to be stretched forth to subdue and reclaim from a state of nature; we are of the firm opinion that when the usual pioneer operations have been completed it will prove a valuable addition to the agricultural wealth of the Province and be found fully as productive as the older sections.

We have the honor to be, sir,

Your obedient servants,

(Sgd.) Cavana & Watson,

Ontario Land Surveyors.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 25.)

Township of Prosser, District of Algoma.

Orillia, Ontario, October 22nd, 1904.

Sir,—In furtherance of your instructions given under date of May sixteenth, nineteen hundred and four, we proceeded to carry out the survey of the township of Prosser in the District of Algoma, the route taken to reach the site of the work being described in our report of the survey of the township of Tully, lying immediately to the east. Attention was first given to the survey of the south boundary and using this as a base, the survey was carried out in the usual manner. the several concession lines being an extension on the concession lines of the township of Tully leaves no jogs on the boundary between the two townships. Lots of forty chains in width were laid out on the south boundary till the line run by Ontario Land Surveyor Patten forming the west boundary was reached, and from the points so located between lots two and three; four and five; six and seven; eight and nine; and ten and eleven; side lines were run on a course due north astronomically. The concession lines were run due east and west astronomically, thus dividing the township into blocks of one square mile. its further sub-division into lots of three hundred and twenty acres being provided for by posts planted on the concession lines at the front of each concession, wooden posts of the most durable material obtainable were planted at all lot corners on the boundaries and several conces-

sion lines with the exception of the north boundary where posts were planted only at the intersections of side lines surveyed. The starting point of the line between lots seven and eight, in concession five, falling in a small lake or beaver pond was marked by squaring and properly marking a balsam tree on the line at the northerly shore of the pond. The posts planted for the township of Tully upon the dividing boundary between the two townships were marked I. on the west side and serve for both townships. All posts were marked with the proper lot number on the east and west sides and those planted at the lines between lots two, three; four, five; six, seven; eight, nine; and ten, eleven on the several concession lines were also marked with the numbers of the concessions on the north and south sides; while those planted between lots one, two; three, four; five, six; seven, eight; nine, ten; and eleven, twelve were marked with the concession number on the north side only. Three iron posts one and seven-eighths inches in diameter three feet long, forged at the top and pointed at the bottom were planted alongside the wooden posts, one at the south-east angle of the township marked on the northeast side with the name Tully, on the northwest side with the name Prosser, on the north side Con. I., on the east side XII., and on the west side I.; one at the north-east angle marked on the south-east side with the name Tully, on the south-west side with the name Prosser, on the south side Con. VI., on the east side XII., and on the west side I.; and one at the south-west angle marked on the northeast side with the name Prosser, on the north side Con. I., and on the east side XII. Iron posts one and one-quarter inches in diameter and otherwise similar to the above were planted on the line between concessions three and four, one at the intersection of the east boundary, one at the intersection with the line between lots six and seven and one at the west boundary; and upon the line between lots six and seven a similar iron post was planted at its intersection with the south boundary and another at the north boundary, all marked with concession and lot numbers similarly to the wooden posts at the respective points.

This township has a generally level or gently undulating character, the only elevation affording an extensive view being the rocky hill situate on lot eight in the second concession which rises to an altitude of about one hundred and fifty feet. The soil throughout is heavy clay, in places covered by a shallow deposit of vegetable mould, or in the level open, undrained swamps by one to three feet of peat. On lots eight and nine in concession four and five the soil is in places somewhat lighter owing to an admixture of sand. Almost the entire area would be available for agricultural purposes, the few rock outcrops probably not covering in the aggregate an area of more than three hundred acres. For successful cultivation drainage would be necessary over the greater part but would offer no difficulties in the way of outlet. The drainage is through small creeks flowing to the north and west with numerous dams and small beaver ponds along their course. The water in these streams is usually clear and the current good. No lakes or streams of a navigable character were met with.

The timber growth is chiefly spruce and tamarac, the latter mostly dead, with poplar, white birch, balm of gilead and balsam on the higher lands. In the latter positions there is usually a thick undergrowth of alder and occasionally of hazel or moosewood. A few scattered white pine were observed on the rocky rise on lot twelve, concession four, and five, but in no other locality. The timber here would be chiefly valuable for pulpwood. Considerable areas of windfall occur in the westerly part, one especially notable extending from the west boundary in concession four in a northeasterly direction across the township, almost the entire forest growth having been laid prostrate before a southwesterly wind.

Small fruits such as red and black currants, raspberries, cranberries and many other varieties of berries peculiar to the region were found in profusion.

The rocks met with are apparently of igneous origin and consist of traps and breccias with occasional thin seams of quartz, but as far as could be observed carry no minerals of economic value.

Among fur bearing animals the beaver is of chief importance being fairly numerous and making full use of the small streams. Marten, Otter, Mink and Muskrat also occur in fewer numbers. In the larger game signs of moose, red deer, caribou and bear were observed but are probably not so plentiful as in some of the districts further to the south.

We have the honor to be, sir,

Your obedient servants,

(Sgd.) Cavana & Watson,

Ontario Land Surveyors.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 26).

Township of Little, District of Nipissing.

Peterborough, Ontario, November 16th, 1904.

Sir,—I have the honor to submit the following report on the survey of the township of Little, on the Frederick House River, in the District of Nipissing, performed under instructions from your Department dated May sixteenth, A.D., nineteen hundred and four.

I commenced the survey as instructed at the south-east angle of the township by measuring westerly along the south boundary planting the posts at every forty chains to form the front of the first concession, my chaining on this line agreeing with that of Mr. Patten's.

Returning to the south-east angle of the township and having taken the necessary observations etc., I ran the east boundary due north astronomically six miles giving the concessions on this line a uniform depth of eighty chains, all the concession lines I ran west astronomically from the east boundary, and the side lines north astronomically from the south boundary; the north boundary, as instructed I ran east astronomically from the post planted by Ontario Land Surveyor A. Niven to mark the one hundred and forty-fourth mile on the boundary line between the districts of Nipissing and Algoma.

On the iron post planted at the southeast angle of the township, I marked Little on the north-west side, Con. I. on the north side, Lot I. on the west side. On the iron post planted at the southwest angle of the township I marked Little on the north-east side, Con. I. on the north side, it had already been marked Lot 12 on the east side. On Ontario Land Surveyor Niven's one hundred and forty-fourth mile post at the north-west angle of the township I marked Little on the south-east side, Con. VI. on the south side, Lot 12 on the east side. At the northeast angle of the township I planted an iron post one and seven-eighths inches in diameter, three feet long marked Little on the south-west side, Con. VI. on the south side and lot I on the west side. Iron posts one and one-quarter inches in diameter and three feet long, were planted on the line between concessions three and four, one at the intersection with the east boundary marked on the north side Con. IV., on the

south side Con. III., on the west side lot I.; one at the intersection with the west boundary of the same concession line marked Con. IV. on the north side, Con. III. on the south side, Lot 12 on the east side.

The iron posts at the intersection of side line six and seven with the south boundary planted by Mr. Patten I marked Con. I., on the north side, it had already been marked lot six on the east side and lot seven on the west side. An iron post of the same dimensions was also planted at the intersection of concession line three and four with side line six and seven marked Con. IV., on the north side, Con. III., on the south side, Lot six on the east side, Lot seven on the west side, also one at the intersection of side line six and seven with the north boundary marked Con. VI. on the south side, lot six on the east side, lot seven on the west side.

Regarding the general character of the township it may be described as a generally level or gently undulating country, timbered with spruce, dead and decaying tamarac, poplar and white birch with alder and willow underbrush and considerable windfall. The average size of this timber is from two to ten inches with a very few spruce and poplar running up to eighteen inches. A few small areas aggregating about ten per cent. of the total, lying in the south-westerly part of the township are covered with jack pine and white birch from two to ten inches in diameter. On these areas the soil is sandy and stony with many drift boulders.

About thirty per cent. of the township might be called swampy, but as these swamps have a considerable elevation above the Frederick House River and are traversed by numerous creeks with a good fall, they are very easily drained.

The soil in the swamps is a rich black muck from eight to ten inches in depth with clay subsoil and will be found when drained as seen in some of the eastern sections of Manitoba to be land of the very first quality.

On the uplands which comprise about fifty per cent. of the total area, the soil is a rich black loam from eight to ten inches in depth with clay subsoil and entirely free from stone.

Only a few very small outcroppings of rock (Huronian) were met with and no indications of mineral were noticed throughout the township, fully eighty per cent of which I would consider suitable for settlement.

The Frederick House River which enters the township from the east in concession two and flows in an north-westerly direction, is a muddy sluggish stream with an average width of six or seven chains and depth of from four to twelve feet with banks from two to five feet and vegetation as a rule to the waters edge. No falls or rapids occurring on its course through the township. There are a few small lakes in the westerly portions of the township some of which are without inlet or outlet being fed by springs, all contain good clear water. The magnetic variation I found fairly constant at eight degrees and thirty minutes west.

Frequent observations for azimuth were taken during the progress of the work. I would consider the country favorable for the growth of either roots or cereals, the weather during the summer being very fine with the exception of a slight frost in the latter part of August, such as might be experienced in any of the unsettled portions of the Province.

Wild fruit, such as raspberries, strawberries and currants were very plentiful.

Fish of the usual kind chiefly pickerel were taken in the rivers and lakes.

Moose and partridge are numerous, but there are no red deer or wolves in this locality, and with the exception of a few otter, no fur bearing animals. I made a careful traverse of the Frederick House River, and Lakes.

I beg to submit herewith plans, field notes etc., all of which I trust will be found satisfactory.

I have the honor to be, sir,
Your obedient servant,
(Sgd.) J. W. Fitzgerald,
Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No. 27*).

Township of Mann, District of Nipissing.

Peterborough, Ontario, November 16th, 1904.

Sir,—The instructions appointing me to survey the township of Little dated May sixteenth, A.D., nineteen hundred and four, also authorized me to survey the township of Mann which lies immediately north of it.

I commenced the survey at the south-east angle of the township by measuring westerly along the south boundary giving the lots a uniform width of forty chains, with the exception of lot twelve, where, owing to the convergence of meridians a deficiency occurs.

All the concession lines I ran east astronomically from the west boundary and the side lines north astronomically from the south boundary. The east boundary of this township, being a production of the east boundary of the township of Little, I ran north astronomically to Ontario Land Surveyor W. Galbraith's base line which it intersects one chain and forty eight links west of his sixth mile posts, or about sixteen links east of the theoretic point.

On the iron post planted at the southeast angle of the township I marked the word Mann on the north-west side, Con. I. on the north side, Lot I. I had already marked on the west side. On the iron post at the southwest angle of the township I marked the word Mann on the north-east side, Con. I on the north side, I had already marked lot 12 on the east side. On the iron post at the northwest angle of the township, planted by Ontario Land Surveyor Niven to mark the one hundred and fiftieth mile on the district boundary, I marked the word Mann on the south-east side, Con. VI. on the south side, Lot 12 on the east side. At the north-east angle of the township I planted an iron post one and seven-eighths inches in diameter and three feet long, marked Mann on the southwest side, Con. VI on the south side, Lot I. on the west side. On the iron post planted by Ontario Land Surveyor Niven to mark the one hundred and forty-seventh mile on the District line, this point being the intersection of concession line three and four with that line, I marked Con. IV. on the north side, Con. III. on the south side, Lot 12 on the east side. An iron post one and one-quarter inches in diameter and three feet long was planted on the east boundary at its intersection with concession line three and four, marked Con. IV. on the north side, Con. III. on the south side, Lot I. on the west side. Iron posts one and one-quarter inches in diameter and three feet long were also planted, one at the intersection of side line six and seven with the south boundary, marked Con. I. on the north side, lot six on the east side, lot seven on the west side, one at the intersection of concession line three and four with side line six and seven, marked Con. IV., on the north side, Con. III., on the south side, lot six on

the east side, lot seven on the west side and one at the intersection of side line six and seven with the north boundary; Marked Con. VI., on the south side, lot six on the east side, lot seven on the west side.

With regard to the general aspect of this township it may be described as a generally level or gently undulating country, timbered with spruce, dead and decaying tamarac, poplar and some scattered white birch, balsam and jack pine, with alder and willow underbrush, and considerable windfall, the average size of this timber ranges from two to ten inches in diameter, with scattered spruce and poplar up to fourteen and sixteen inches.

About twenty-five per cent. of this township is swampy, the level of these swamps, however, being considerfably above that of the Frederick House River, they are readily drained, and as the soil is a rich black muck from eight to ten inches in depth with clay subsoil will be found good arable land

On the more elevated portions of the township the soil is a rich black loam from eight to ten inches in depth free from stone with clay subsoil. Only a few very limited outcroppings of rock (Huronian) were noticed. I would consider fully ninety per cent of the township will eventually be found suitable for cultivation. The Frederick House River, which enters the township on lot eight concession one and flows in an north-westerly and northerly direction crossing the north boundary of lot eleven ranges in width from two to fifteen chains with an average width of six or seven chains, with the exception of that part of the river on concessions five and six where the current is fairly strong and the shores rocky, it is muddy and sluggish, with a depth of from four to ten feet and banks of from two to five feet.

At "First Falls" which occur on lots eight and nine concession one the river has a drop of forty-two feet eight inches in a distance of three chains; these falls are divided and broken by eleven islets. The second fall occurs on lot twelve, concession four, here the river has a drop of five feet five inches in a distance of about ten feet, this fall taken with the rapids which occur on lot twelve concession five and are about thirty chains in length, would make a total drop of about thirty feet in a distance of fifty-six chains. Both of these falls are capable of yielding considerable energy. I made a careful survey of each of them the results of which will be found in the traverse notes.

Pickerel Lake on lots nine, ten and eleven, concession four, is the only one worthy of note in the township. It is a shallow lake with low shores and covers about two hundred and twenty acres the waters of the lake are clear and teem with pickerel.

The magnetic variation in this township I found very erratic, averaging about eight degrees and fifteen minutes west. No minerals, however could be found.

Wild fruit such as raspberries, strawberries and currants were abundant. Moose and partridge very numerous.

Accompanying this report are plans, field notes and account, which I hope will be found complete and satisfactory.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) J. W. Fitzgerald,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 28.)

Township of Dundonald, District of Nipissing..

Woodstock, Ontario, December 1st, 1904.

Sir,—I have the honor to report that in accordance with instructions received from your Department and dated June twenty-sixth, nineteen hundred and three, I have completed the survey of the township of Dundonald, in the District of Nipissing.

Probably three fourths of the land in this township are suitable for cultivation, consisting of a dry clay soil thickly covered with timber and a heavy undergrowth. There is, however a considerable part of this good land that is more or less swampy, but it admits of comparatively easy drainage and will, doubtless, ultimately become good farming land. The only part which is wholly unsuitable for cultivation is a ridge of rocky hills crossing the township from the south boundary of lot five, in the first concession, to the eastern boundary of concession three. There is, besides, a tract of about five square miles in the northeasterly part of the township consisting largely of coarse sand containing many drift boulders. Little of this is fit for cultivation, but on it is growing some valuable red pine.

The whole township is thickly timbered, principally with spruce less than nine inches in diameter, but there are many large spruce up to two feet and over in diameter besides a considerable quantity of large poplar and some white birch of good size. The most valuable timber, however, is the pine. A strip of heavy timber about a mile wide and four miles long runs across the westerly part of the township, as shown on the timber map accompanying this report. This strip, while covered principally with large spruce and poplar along with dead tamarac, contains much excellent white pine, from one to three feet in diameter. At the southern end of this strip along the shore of Frederick House Lake there is a small quantity of red pine. There is, besides this, much good red pine in the easterly part of the township, as shown on the timber map.

I found no sign of any economic mineral except a very strong variation of the compass along the ridge of rocks already mentioned. Near this ridge, between lots two and three, concession one, the compass varied from six degrees west to thirty-five degrees east in the course of less than half a mile. Native rock, apparently some kind of diorite, crops out along the shore of Frederick House Lake in concessions three, four and five, and on the small island in that lake.

As shown on the map there are many small lakes in the township. All of these contain beautifully clear water, a great contrast to that in Frederick House Lake which is always very muddy. These lakes contain generally an abundance of large pike.

Partridge are very abundant, and fresh tracks of moose and bear are seen all over the township. Fresh tracks of wolves were also seen on the shore of one of the small lakes.

Wild fruit in great variety is abundant and was observed to be well matured. There is no cultivated land in this township, but across the lake in the township of Evelyn, as mentioned last year in my report of that township, good potatoes are grown by an Indian who has a small clearing. These I found well matured, in spite of some early frosts which occurred in August.

Herewith I send you a copy of my field notes and a plan and timber map of the township.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. D. Griffin,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 29.)

Township of McCart, District of Nipissing.

Woodstock, Ontario, December 12th, 1904.

Sir,—In accordance with instructions received from your Department and dated May sixteenth, nineteen hundred and four, I have ompleted the survey of the township of McCart, in the District of Nipissing.

About three-fourths of the land in this township are suitable for cultivation, consisting of level or slightly rolling clay land, mostly dry, needing little or no drainage. Some of this good land is more or less swampy but can be drained without great difficulty as there are throughout the township numerous creeks with good fall and high banks. Of the one-fourh that I consider useless for agricultural purposes about one-half consists of muskeg covered with moss, peat and a few small scattered spruce from one to four inches in diameter. About two square miles consists of an outcrop of native rock as shown on the plan accompanying this report. In the south-east corner of the township there is about a square mile of coarse sand containing many drift boulders.

There are in this township four lakes covering from fifteen to sixty-five acres each, besides about a mile and a half of the Frederick House River covering about 50 acres, in all less than three hundred acres of water. There is a large creek ranging from two to four rods in width, crossing the township from the lake on the east boundary of concession two to the Frederick House River on the west, with a branch from the lake in lot nine of the second concession. This creek is from two to six feet deep and is navigable for canoes from the latter lake to the Frederick House River. With a little cutting out of fallen trees it could be made navigable clear across the township.

The timber is mostly spruce, much of it large and valuable, many of the trees being as much as two feet in diameter. There is also on the drier land of the township much large poplar and white birch, besides considerable balsom and tamarac, the last all dead or nearly so. Near the middle of concession one there are a few large white pine. The sandy land in the south-east of the township is covered with small red pine mostly less than six inches in diameter, though there are in some parts of it a few trees reaching eighteen inches in diameter.

There are no indications of any economic minerals. The outcrop of native rock, mentioned above, reaches in places elevations of from fifty to seventy-five feet, and appears to be some kind of diorite.

There are indications in the township of many moose and some caribou. Of fur bearing animals there are a considerable number, principally beaver and muskrat.

Wild fruit in great variety, currants, raspberries, gooseberries, blueberries and cranberries, are very abundant, and all well matured.

Accompanying this report I send you a plan and a timber map of the township and a copy of my field notes.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. D. Griffin,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 30.)

Township of Matheson, District of Nipissing.

Simcoe, Ontario, December 29th, 1904.

Sir,—I beg leave to report on the survey of the township of Matheson in accordance with the instructions dated June the thirtieth A.D., nineteen hundred and three, for the survey of the townships of Matheson and German.

I proceeded to Sudbury on July the twenty-first, nineteen hundred and three, where I procured my supplies and the majority of my men. I was detained at this point owing to the delay in the transmission of my canoes which had been shipped from Peterborough some three weeks before. At Matagama Station I was again delayed for two days owing to my supplies having been delayed in transmission from Sudbury to Metagama.

I proceeded from Metagama along the route recommended to me in the instructions, via the east branch of the Spanish River and the Metagami River. I found this a splendid route as far as the point where I branched off from the Matagami River. The portages however, between the Matagami River and Porcupine Lake were a veritable sea of mud, owing to heavy rains previous to this time.

On my arrival on the ground I immediately proceeded to subdivide the township in the usual way. Owing to rainy weather and cloudy skies great difficulty was experienced in taking observations and some valuable time lost. I found the magnetic variation to be almost constant at about eight degrees and forty-five minutes west.

Iron posts one and seven-eighth inches in diameter are planted at each of the angles of this township, marked with the names of the townships facing the proper angles.

Iron posts one and one-quarter inches in diameter are planted on the south boundary at the intersection thereof with the side line between lots six and seven, and similar posts are planted on the front of the fourth concession at its intersection with the east and west boundaries and also with the side line between lots six and seven.

The township is very level and swampy except in the vicinity of the Porcupine and Frederick House Rivers and Night Hawk Lake where the ground is drier and rolling enough to permit of natural drainage.

Where the ground is undulating the soil is clay loam with clay subsoil and would make excellent agricultural lands. The level ground which comprises the greater portion of the township has a very hard clay bottom covered with moss and vegetable mould. While it could be drained I do not consider

that it would be good farming land, owing to the extreme hardness and viscous qualities of the clay.

The township is covered with a heavy growth of spruce and balsam with some poplar and white birch. The spruce, which predominates, is tall straight and sound. Large areas of dead tamarac exist. The dead trees are now falling, and this combined with the dense growth of alders makes travel through the township very difficult.

The township is well watered by the Porcupine River, Night Hawk Lake and Frederick House River, and also a creek running from the northerly central part of the township southerly to Night Hawk Lake. The Porcupine River is from one to two chains in width and varies greatly in the different seasons, the volume of water in the dry summer months being very small. Night Hawk Lake is a large body of water but is very shallow. The bottom is clay and in consequence of the high winds prevailing in this district the water is very turbid. Frederick House River, between Night Hawk Lake and Frederick House Lake is from six to fifteen chains in width and partakes of the nature of a long narrow lake. There is no perceptible current and the waters are the same as those of Night Hawk Lake. The land is generally from six to ten feet higher than the water in the streams, thereby permitting of easy drainage.

Large game is not very plentiful, though moose, deer and bear are found. Pike and pickerel are found in the lakes and rivers.

Accompanying this report are a general plan, a timber plan and field notes.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) W. H. Fairchild.

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands. Toronto.

(*Appendix No.* 31.)

Township of German, District of Nipissing.

Simcoe, Ontario, December 29th, 1904.

Sir,—I beg leave to report as follows on the survey of the township of German in accordance with instructions dated the thirtieth of June A.D. nineteen hundred and three to survey the townships of Matheson and German.

The township of German lies immediately east of the township of Matheson and was easily reached from this township by Night Hawk Lake on the south and Frederick House Lake and River on the north.

The township is varied in regard to its general features. A large number of small inland waters exist, nearly all of which drain into Frederick House Lake. Part of the township is undulating, particularly that portion adjacent to the waters, and part is level and swampy.

The soil varies from stiff clay to light sand. The sandy soil for the most part is undulating and covered with an open growth of banksian pine; it occupies about one fourth of the area of the township. The clay soil in places is undulating and here is a good clay loam with clay subsoil. The level swampy parts of the township are very hard clay underlying moss and veg-

etable mould and even though drained would not be suitable for agriculture except it be for grazing purposes.

The timber is varied, spruce predominates and is of excellent quality, unsound spruce being of rare occurrence, while the trees are very tall and straight with a maximum diameter of twenty-four inches. A considerable area of jack pine exists as shown on the timber map. Poplar, white birch, balsam and dead tamarac are also found. The poplar grows to a large size but as a rule is unsound. A few scattering red pine were observed in this township, the trees as a rule being of good quality with a maximum diameter of thirty-six inches.

The township is watered by Night Hawk Lake and Frederick House Lake and river, while numerous small lakes are found in the northern and central parts. The inland waters are clear and of good depth, in contra distinction to the waters of the large lakes which are dirty and shallow.

The magnetic variation in this township was not constant, varying from eight degrees west to ten degrees west.

Iron posts one and seven-eighth inches in diameter are planted at each of the angles of this township, marked with the names of the townships facing the proper angles.

Iron posts one and one-quarter inches in diameter are planted on the south boundary at the intersection thereof with the side line between lots six and seven, and similar posts are planted on the front of the fourth concession at its intersection with the east and west boundaries, and also with the side line between lots six and seven.

Large game occurs but it is not plentiful. Moose, deer and bear are found. Partridges are numerous. Pike and pickerel are found in all waters.

Accompanying this report are a general plan, a timber plan and field notes.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) W. H. Fairchild,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 32.)

Township of Calvert, District of Nipissing.

Leamington, Ontario, December 24th, 1904.

Sir,—In accordance with instructions received from your Department, dated May sixteenth, A.D., nineteen hundred and four, I have made a survey of the township of Calvert, in the District of Nipissing, and have the honor to submit the following report thereon.

Having previously arranged to meet some of my men on the way, I proceeded by rail with most of my party from here on July the twelfth by way of Toronto, North Bay and Mattawa to Temiskaming Station, thence by steamer to North Temiskaming, travelling from there along the waggon road to Klocks farm on Quinze Lake, where I had arranged for supplies for the survey of the two townships being shipped, most of which I found there in store for me. On Monday July eighteenth, the party left Klocks farm with all supplies, etc., in canoes, following the regular Hudson Bay Company's

route by way of Quinze, Long, Island and Abitibi Lakes and down the Abitibi River to where the river is crossed by the north boundary of the township of Walker, arriving there in the forenoon of Monday July the twenty-sixth.

Proceeding west along this boundary the iron post planted by Ontario Land Surveyor T. J. Patten marked XVIII-M. on the west side, Walker on the south-east side and Clergue on the south-west side was found standing to mark the north-west angle of the township of Walker. From this post which also marks the south-east angle of the township of Calvert I commenced my survey as instructed, running a line due north astronomically therefrom a distance of nearly six miles from the east boundary of the township, planting posts thereon at regular intervals of eighty chains apart for the depth of the concessions. From these posts the several concession lines were run due west astronomically for the front of the concessions and posts planted on each line as directed.

The base line run by Ontario Land Surveyor T. J. Patten in nineteen hundred and three, between the twelfth and eighteenth mile posts planted thereon, forms the south boundary of the township. Along this base line from the iron post above referred to at the south-east angle, west, to the iron post marked XII-M. at the south-west angle of the township, posts were planted at regular intervals of forty chains apart to mark the front angles of the lots in the first concession. From each alternate post, which are identical with Mr. Patten's mile posts, the lot lines were run due north astronomically.

The meridian line run this year by Ontario Land Surveyor William Galbraith from Mr. Patten's twelfth mile post, to the sixth mile post planted thereon, forms the west boundary of the township. The iron post at the sixth mile marking the northwest angle, from which a line for the north boundary was run due east astronomically, to its intersection with the east boundary, where an iron post one and seven-eight inches in diameter was planted to mark the north-east angle of the township.

Each of the iron posts at the corners of the township were marked with the names of the townships cornering thereon, the name being marked on the side facing the township. Wooden posts similarly marked were planted alongside the iron posts at the several corners.

At the intersection of the centre lines with the boundary lines, also at the intersection of the centre lines, small iron posts were planted alongside the wooden posts.

The township is comparatively level, except where traversed by small streams that have cut the land through which they flow into deep narrow ravines. Judging from the dense growth of grasses, the luxuriant matured growth of gooseberries, currants and raspberries found in the open places I would say the land is well adapted for agricultural purposes.

The soil in the east and south parts of the township is a rich clay, in places mixed with sand. In the north-west part the soil is a redish sand and gravel mixture.

The timber is of fair size, principally green, consisting of spruce, poplar, balsam, birch and cedar very dense, with some fine balm gilead in the vicinity of the streams, some large jack pine exists in the west part of the township and some sound dead tamarac was found in the swamps. A large amount of this timber is suitable for pulpwood, railroad ties and lumber.

Abitibi River, averaging in width from five to six chains enters the township on lot one in the fifth concession, flows northwest with a sluggish current and leaves the township on lot six in the sixth concession. By this river, numerous small streams, well distributed, and a few lakes the township is well watered.

Outcropping of Huronian Rock rising to a considerable height above the surrounding country was met with in some of the lots in the fourth, fifth and sixth concessions but no indications of minerals were found during the progress of the survey.

No large game was seen during the survey, but signs of bear and moose were plentiful. Partridge were frequently obtained and a few fish were caught in the river.

Observations for azimuth were frequently taken when weather would permit and the mean variation of the magnetic needle found to be nine degrees and twenty minutes west.

Accompanying this report will be found field notes of the survey, plan of the township and account.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) Alex. Baird,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(*Appendix No.* 33.)

Township of Aurora, District of Nipissing.

Leamington, Ontario, 27th December, 1904.

Sir,—As directed by instructions from your Department, dated May sixteenth, A.D. nineteen hundred and four, I proceeded with the survey of the township of Aurora, in the District of Nipissing.

It adjoins the township of Calvert on the north, which, under the same instructions was surveyed by me and recently reported upon.

On the completion of the work in Calvert the survey of this township was immediately started, from the posts marking the northeast angle of Calvert, and my instructions followed as in that township.

The south half of the township is practically of the same character as the south part of Calvert. The timber generally being of much larger growth.

The land, otherwise, level, is cut by numerous small streams into deep ravines in the vicinity of the Abitibi River, which flows almost northerly through the township. These ravines are strewn with fallen timber in all imaginable forms, making the work of survey very difficult to perform.

The soil is a rich clay and sand mixture and apparently very productive. During the time taken to perform the work that was accomplished, observations were taken when the weather would permit and the magnetic variation was found to be nine degrees west.

Owing to the unusual time taken in performing the work, on account of its difficult nature, my supply of provisions ran out although the quantity taken with me was much greater than is generally required for the survey of two townships. The lack of provisions forcing me to come out before completing the survey of this township, it being extremely difficult to get provisions to this locality.

All the lines in the first, second and third concessions, also the lines in front of these and the fourth concession were run, well opened out and blazed, and posts "properly marked" were planted to mark the front angles of the

lots in these concessions. One line was finished and another partly finished in the last named concession.

A survey of the Abitibi River through the south half of the township was made by Micrometer and Compass.

I submit herewith a copy of my field notes of the part of the township surveyed, also a tracing of the plan.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) Alexander Baird,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(*Appendix No.* 34.)

Township of Clergue, District of Nipissing.

Peterboro, Ontario, December 10th, 1904.

Sir,—I have the honor to present the following report on the survey of the township of Clergue, surveyed by me this year under instructions bearing date July 3rd, A.D. nineteen hundred and three.

The township was subdivided into lots of three hundred and twenty acres or thereabouts. The concession lines were run east and west astronomically and the side lines north and south astronomically.

The lines were well opened out and blazed.

A single row of posts was planted along the concession lines to mark the several angles of the lots. Those planted between lots one and two, three and four, five and six, seven and eight, nine and ten, eleven and twelve, were marked with the numbers of the lots on the east and west sides and the number of the concession on the north side thereof. Those planted at the intersection of the side lines between lots two and three, four and five, six and seven, eight and nine, ten and eleven, were marked with the numbers of the lots on the east and west sides and the numbers of the concessions on the north and south sides thereof. A single row of posts was also planted along the south boundary, properly marked, at the several angles of all the lots, and on the north boundary posts are planted at its intersection with the several side lines.

An iron post one and one-quarter inches in diameter is planted on the line between concessions three and four at its intersection with the east boundary; another at its intersection with the side line between lots six and seven; and another at its intersection with the west boundary. The iron posts referred to on the east and west boundaries are those planted by Ontario Land Surveyor, T. J. Patten, on his Meridian Lines in nineteen hundred and three.

An iron post one and one-quarter inches in diameter is also planted on the side line between lots six and seven, alongside the wooden post, at its intersection with the south boundary and another (by Mr. Patten in nineteen hundred and three, on his Base Line) at its intersection with the north boundary.

The iron post one and seven-eighths inches in diameter planted by Mr. Patten in nineteen hundred and three at the north-east angle of the township is marked "Clergue" on the south-west side, "Walker" on the south-east side, "Teefy" on the north-east side, "Calvert" on the north-west side, "Con.

VI." on the south side "Con. I." on the north side, "XII." on the east side, "I" on the west side. Another at the south-east angle of the township is marked "Clergue" on the north-west side, "Walker" on the north-east side, "Stock" on the south-west side, "Taylor" on the south-east side, "Con. I." on the north side, "XII" on the east side, "I" on the west side. Another at the southwest angle of the township is marked "Clergue" on the northeast side, "Dundonald" on the northwest side, "Stock" on the southeast side, "German" on the southwest side, "Con. I" on the north side. "I" on the west side, "XII' on the east side. Another at the north-west angle of the township is marked "Clergue" on the south-east side, "Dundonald" on the southwest side, "Calvert" on the north-east side, "Con. VI." on the south side, "Con. I." on the north side, "XII." on the east side.

The township is generally undulating to rolling land. About thirty per cent. of the land is swampy, but with a good clay sub-soil and can be easily drained. The balance of the township being clay loam, sandy loam and sand.

The sandy loam and sand are chiefly in the north-west and westerly parts of the township. It is safe to say that nearly seventy-five per cent. of the township will prove good agricultural land.

The timber on the two concessions across the south end of the township is chiefly spruce, poplar, and balsam and varies from small to medium size. In the swampy parts nearly eighty per cent. of the timber is good spruce, poplar and balsam.

The four northerly concessions are well timbered with spruce, poplar, balsam, birch, balm of gilead and banksian pine of good quality and from medium to large size.

In the south half of the township occur ridges of rock chiefly of pyroxene, containing quartz veins, with some iron pyrites.

The township on the whole is well watered by numerous creeks which drain into the Black and Driftwood rivers. There are no lakes in the township, but the Driftwood river cuts lot number one in the first concession.

The variation of the needle is nine degrees west, but in places throughout the township the amount of change in magnetic declination is remarkable.

Moose, fur-bearing animals and partridges are plentiful.

Accompanying this report is a plan of the township, field notes and timber map.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. J. Cameron,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 35.)

TOWNSHIP OF TEEFY, DISTRICT OF NIPISSING.

Peterborough, Ontario, December 28th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Teefy, made by me this year under instructions of date May sixteenth, A.D. nineteen hundred and four. I proceeded to the work over the same route as used last year, namely, by Quinze Lake through the Province of Quebec, across Lake Abitibi down the Abitibi River to the Black River.

The township was surveyed into lots of three hundred and twenty acres

more or less. The concession lines were run due east and west astronomically and the side lines due north and south astronomically. The lots number from the east and the concessions from the south. The posts planted by Ontario Land Surveyor William Galbraith, on his meridian line (the east boundary of the township of Teefy) were adopted as the starting points of the concession lines. Those planted by Ontario Land Surveyor T. J. Patten, in nineteen hundred and three, on his base line (the south boundary of the township of Teefy) were adopted as the starting points of the side lines. A single row of posts was planted along the concession lines. Those planted between lots one and two, three and four, five and six, seven and eight, nine and ten, eleven and twelve, were marked with the proper numbers of the lots on the east and west sides and the number of the concession on the north side only.

Those planted at the intersection of the several side lines, namely, between lots two and three, four and five, six and seven, eight and nine, ten and eleven, were marked with the proper numbers of the concessions on the north and south sides.

Iron posts one and one-quarter inches diameter were planted alongside the wooden ones, on the line in front of the fourth concession. One at the intersection with the side line between lots six and seven, marked on the north side Con. IV. on the south side Con. III. on the east side VI. on the west side VII. and one at the west boundary marked Con. IV. on the north side, Con. III. on the south side, XII. on the east side. Another iron post one and one-quarter inches in diameter was planted alongside the wooden one at the intersection of side lines between lots six and seven, with the north boundary marked Con. VI. on the south side, VI. on the east side, VII. on the west side. The iron post planted by Ontario Land Surveyor William Galbraith on the east boundary at the end of his third mile was marked on the north side Con. IV. on the south side Con. III. on the west side I. The iron post on the east boundary planted by Ontario Land Surveyor William Galbraith, at the end of his sixth mile was marked on the south side Con. VI. on the west side I. on the south-west side Teefy. From this point I ran the north boundary due west to the west boundary where another iron post one and seven-eighths inches diameter has been planted, marked Teefy on the southeast side. Con. VI. on the south side, XII. on the east side. The iron posts planted by Ontario Land Surveyor T. J. Patten in nineteen hundred and three along the south boundary are marked. The one at the end of his eighteenth mile, being the southwest angle of the township, is marked Con. I. on the north side. Con. VI. on the south side, XII. on the east side, I. on the west side, Teefy on the northeast side, Calvert on the northwest side, Walker on the southeast side. Clergue on the southwest side. The one at the end of his twenty-first mile is marked VI. on the east side, VII. on the west side. Con. I. on the north side. Con. VI. on the south side. The one at the end of his twenty-fourth mile, being the southeast angle of the township, is marked Con. I. on the north side. Con. VI. on the south side, I. on the west side, XII. on the east side, Teefy on the northwest side, Walker on the southwest side, Wilkie on the southeast side. The lines are all well opened out and blazed.

The township is very rough, being broken throughout by deep ravines. The soil is chiefly clay, and about fifty per cent of the township is good for agricultural purposes, the other fifty per cent being too rough for good farming purposes. There is about five hundred acres of muskeg and only about two thousand acres of swamp in the township. Eighty per cent of the township is covered with good spruce, balsam, birch, poplar, balm of gilead and banksian pine in general from medium to large timber, twenty per cent is from small to medium size but of good quality.

The Abitibi River enters the township on lot number one in the fifth concession and runs in a southwesterly direction, entering the township of Walker in lot number seven in the sixth concession, entering the township again on lot number ten, in the first concession, it runs in a northerly direction through concessions one, two, three and four, leaving the township on lot number twelve in the fifth concession. The Abitibi River has an average width of about five chains and there is a fairly good water power on lots three and four in the third concession. There is also a good water power on lots eleven and twelve, in the fourth concession, known as Iroquois Falls. This water location has already been surveyed and numbered W D three hundred and one.

No minerals were met with. The variation of the needle is north 8 degrees thirty minutes west, but is not at all constant.

Accompanying this report is a plan of the township timber map and field notes.

I have the honor to be,

Your obedient servant,

(Sgd.) Alfred J. Cameron,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto.

(*Appendix No.* 36).

Township of Stock, District of Nipissing.

Alvinston, Ontario, December 30th, 1904.

Sir,—I beg to report that in obedience to instructions issued June thirtieth, A.D.. nineteen hundred and three, for the survey of Stock and Taylor townships, I proceeded from New Liskeard with a party, on twenty-second July nineteen hundred and three, arriving on the return at Tomstown on October first without accomplishing much survey as explained in my report of thirtieth November, nineteen hundred and three.

This year I again made up a party leaving Alvinston May twenty-fourth, making up my party at Mattawa and North Temiskaming immediately on arrival but was prevented getting up the White River by a log boom owned by the Ottawa Lumber Company until June fifth. On June sixth, I left in canoes from Tomstown with a party of sixteen arriving with the majority of my provisions in about sixteen days and returning to Tomstown in three and a half days on twenty- sixth September, nineteen hundred and four, completing the balance of Stock and the townships of Taylor and Carr. At Tomstown, New Liskeard and Mattawa, during the following three days I paid off the party and proceeded homeward.

I found an iron post one and seven-eighths inches at the southwest angle of this township, marked "Stock" on the northeast side "German" on the northwest side.

At the northwest angle of Stock I found an iron post one and seven-eighths inches, marked on the northeast side "Clergue," on the southeast side "Stock"; on the southwest side "German," and on the northwest side "Dundonald", and on the north side "VI M".

At the northeast angle of Stock there is an iron post one and seven-eighths inches marked on the northwest side "Clergue"; on the northeast side "Walker"; on the southeast side "Taylor"; on the southwest side "Stock"; "Con. I." on the north side; "lot XII." on the east side.

On the west boundary of Stock at the line between concessions three and four, there is an iron post one and one quarter inches marked "IX M" on the north side.

I planted iron posts one and one-quarter inches in diameter at the following points:

At the intersection of the south boundary and line between lots six and seven marked on the north side "Con. I." on the east side "lot VI"; on the west side "lot VII."

At the intersection of the line between concessions three and four with line between lots six and seven, marked on the north side "Con. IV"; on the south side "Con. III"; on the east side "lot VI."; on the west side "lot VII."

The township of Stock consists of wooded swamp generally with some low ridges. In the sixth concession there is some higher land. There is also a considerable area of muskeg. Considerable drainage will be necessary to render this township fit for agricultural pursuits. I am of opinion that when the land becomes drained the soil in this township will be good land.

The timber consists generally of spruce with dead tamarac, balsam, birch, poplar and a few balm of gilead, the sizes running generally from six to ten inches in diameter, though some poplar and birch reach as high as twenty-two inches. The timber is suitable for pulpwood and for railway ties.

The township is watered through the centre and west by the North Driftwood Creek, a small creek flowing south and east into Moose Lake in the township of Bond and on the east by Driftwood River, a stream about one chain and forty links wide with slow current. This in the sixth concession is full of driftwood impeding travel and from the shifting nature of the log jams require new portages constantly.

There is no exposure of rock in this township and the soil where dry is clay with a sufficient admixture of sand to make it easily workable.

Owing to the Base Line south of Stock being unrun, and, as the base line between Taylor and Carr had not been run as well, we proceeded to start from the west side of Stock to survey as suggested by the Director of Surveys and began to lay out regular lots forty chains in width. The field notes are however, reversed to read from east to west as per instructions.

The lines have been well opened out and blazed and particular care has been taken regarding the planting and marking of durable posts.

The whole country in this locality is covered by a heavy undergrowth generally of alders and hazel. In parts small fruits, such as strawberries, blackberries, raspberries, black and red currants, bear berries, goose-berries and marsh cranberries, are abundant.

The game consists of partridges, duck, marten, mink, otter, bear and a few moose.

The game is more plentiful in Stock than east along the general canoe route.

The flow of streams is generally slow.

Pike, pickerel and white fish are to be caught in the Driftwood River, but must be caught with nets.

I submit herewith plans and field notes of Stock.

I have the honor to be, sir,

Your obedient servant,

(Signed) A. S. Code,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(*Appendix No.* 37.)

TOWNSHIP OF TAYLOR, DISTRICT OF NIPISSING.

Alvinston, Ontario, December 30th, 1904.

SIR,—I beg to report that in obedience to your instructions issued June thirtieth, A.D. nineteen hundred and three, for the survey of Stock and Taylor townships, I proceeded from Tomstown on June sixth, nineteen hundred and four, with a party of sixteen men made up from Mattawa and North Temiskaming, and, after canoeing and portaging for sixteen days arrived in Taylor with the greater part of our provisions and proceeded as per instructions to lay out from the east boundary lots forty chains in width. After completing the survey of Taylor, the unfinished portion of Stock, and the township of Carr, we proceeded homeward; arriving in three and a half days at Tomstown on the twenty-sixth of September; I paid off the party and proceeded homeward.

The township of Taylor is a fine undulating township of clay land. The soil being mixed with a sufficient admixture of sand to make it easily workable. I estimate that about eighty per cent. of this land will be fit for agriculture as soon as cleared, and I think that with drainage nearly all of it can be made farming land. The land is cut with small ravines which afford excellent drainage. I found only one or two outcrops of rock (Huronian).

The timber consists of spruce, poplar, balsam, birch, dead tamarac, with a few balm of gilead and pine in one locality.

The whole township is covered with a heavy undergrowth.

Driftwood River, a stream about one chain and forty links wide drains the west side of Taylor and Black River cuts the northeast corner.

Pike, pickerel and white fish are to be caught with nets in both rivers.

Partridge and some duck are found and the fur bearing animals are mink, otter, few beaver, and moose while bears are numerous.

After taking the necessary observation on Polaris I ran west on concession line between two and three subdividing concession one and two with transit chiefly, as I also did with concessions five and six and subdivided concessions three and four with transit and compass. The lines are all well opened out and blazed. Particular attention was paid to the planting and marking of posts. The following are the iron posts in this township:

At the southwest angle an iron post one and seven eighth-inches marked on the north side "Con. I"; on the west side "lot I."; on the east side "lot XII"; on the northwest side "Stock"; and on the northeast side "Taylor."

At the northwest angle there is an iron post one and seven-eighths inches marked on the northwest side "Clergue"; on the northeast side "Walker"; on the southeast side "Taylor"; on the southwest side "Stock"; "Con. I" on the north side; "lot XII. on the east side.

At the southeast angle there is an iron post one and seven-eighths inches marked on the northeast side "Carr"; on the northwest side "Taylor"; on the north side "XII M".

At the northeast angle an iron post one and seven-eighths inches marked on the northwest side "Walker"; on the northeast side "Wilkie"; on the southwest side "Taylor"; "Con. I" on the north side; "lot I." on the west side.

The north boundary of Carr strikes the east boundary of Taylor sixteen chains ninety-seven links south of the northeast angle of Taylor.

At the intersection of the west boundary and the line between concessions three and four, there is an iron post one and one-quarter inches marked on the east side "lot XII"; on the north side "Con. IV"; and on the south side "Con. III."

At the intersection of the line between concessions three and four and line between lots six and seven there is an iron post one and one-quarter inches marked on the north side "Con. IV"; on the south side "Con. III"; on the east side "lot VI"; and on the west side "lot VII".

Herewith I submit plans and field notes.

I have the honor to be, sir,
Your obedient servant,
(Sgd.) A. S. Code,
Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(*Appendix No.* 38.)

Township of Carr, District of Nipissing.

Alvinston, Ontario, December 30th 1904.

Sir,—I beg to report that in obedience to instructions issued May sixteenth, A.D. nineteen hundred and four, for the survey of Carr, I proceeded from Tomstown on June sixth, after having been delayed a week on account of a boom of logs in the White River, with a party of sixteen men made up from Mattawa and North Temiskaming.

After paddling and portaging for some sixteen days we arrived with the greater portion of our provisions and proceededr to survey the unfinished portion of Stock, and the township of Taylor, and the township of Carr, returning to Tomstown in three and one-half days, on September twenty-sixth when I paid off the party.

After taking the necessary observation on Polaris I ran the east boundary of Carr, and proceeded to subdivide the township in the usual manner. I again took observation at the line of lots four and five and ran a transit line north to the concession line three and four, where I again took observation and ran east. I again observed Polaris on the east boundary and ran north striking the south boundary of Wilkie seven chains and forty-eight links west of the line between Wilkie and Coulson. After running west I ran lot line six and seven north from concession line three and four after an observation on Polaris and then proceeded from these lines to subdivide with transit and compass lines the whole township. I also commenced at the end of the south boundary of Wilkie as run in nineteen hundred and three and ran astronomically west striking the boundary of Taylor and Carr, sixteen chains and ninety-seven links south of the sixth mile post planted by Ontario Land Surveyor Patten.

At the northwest angle of Carr I planted an iron post one and seven-eighth inches marked on the south side "Con. VI"; on the northeast side "Wilkie"; on the southeast side "Carr", and on the east side "lot XII."

At the northeast angle there is an iron post one and seven-eighth inches marked on the south side "Con. VI"; on the west side "lot I"; on the southeast side "Beatty", and on the southwest side "Carr." There is a jog be-

tween this northwest angle and the southeast angle of the township of Wilkie, which lies seven chains forty-eight links east.

At the southwest angle there is an iron post one and seven-eighths inches marked on the northeast side "Carr"; on the northwest side "Taylor"; on the north side "XII M."

At the southeast angle there is an iron post one and seven-eighth inches marked on the northeast side "Beatty"; on the northwest side "Carr"; on the southeast side "Hislop", and on the southwest side "Bowman".

At the intersection of the south boundary with the line between lots six and seven, an iron post one and one-quarter inches marked "Con. I." on the north side : "lot VI" on the east side : "lot VII" on the west side.

At the intersection of the west boundary with the line between concessions three and four, there is an iron post one and one-quarter inches marked on the east side "lot XII"; on the north side "Con. IV"; on the south side "Con. III".

At the intersection of the line between concessions three and four with the line between lots 6 and 7, there is an iron post one and one-quarter inches in diameter, marked on the north side "Con. IV"; on the south side "Con. III"; on the east side "lot VI"; on the west side "lot VII."

At the intersection of the east boundary and line between concessions three and four, there is an iron post one and one-quarter inches in diameter, marked on the north side "Con. IV"; on the south side "Con. III"; on the west side "lot I."

The land in the township of Carr is a fine sandy clay having a sufficient admixture of sand to make it easily workable. About eighty or eighty-five per cent. will be workable when cleared.

The timber where green consists of spruce, dead tamarac, poplar, balsam, birch and a few balm of gilead. The brule' as shown on the timber map is an area of burnt standing timber very sound and hard. The hardening process of fire is well shown here as some of the dead trees cut like bone. The whole township is covered with a heavy undergrowth. The land is cut with gullies which effectually drain the soil. There is plenty of water in the creeks as a rule.

The Black River flows through this township. It is a stream about fifteen feet deep and averaging two chains and forty links wide with slow current.

McDougall's falls on Black River on the south part of lot four, concession one, will make a fair water power. The falls are fourteen feet high and will afford about seven hundred and fifty horsepower. Two chutes discharge the water through waterways in the rock of thirty square feet on the north and twenty-two square feet on the south sectional area. I would recommend that thirty acres adjacent be reserved for the water privilege having a width east and west from lots line three and four of twenty chains and north and south from the south boundary of fifteen chains.

An outcrop of Huronian rock occurs along Black River above the falls in places and there is a slight variation of the needle at the falls. There is also a similar variation of the needle on the east boundary at concession line four and five.

Herewith I submit plans and field notes of the township.

I have the honor to be, sir,

Your obedient servant,

(Signed). A. S. Code,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(*Appendix No.* 39).

Township of Bond, District of Nipissing.

North Bay, Ontario, December 28th, 1904.

Sir,—I have the honor to submit the following report on the survey of the Township of Bond, in the District of Nipissing, made under instructions from your Department dated July third, A.D. nineteen hundred and three.

Having finished the survey of the Township of Egan, I proceeded to the southeast angle of the township of Bond where I took an observation on Polaris for azimuth on the second day of August, and ran the south boundary of the township of Bond west astronomically, planting posts at regular distances of forty chains. Each of the side lines were run from the posts so planted along this line at distances of one mile each. The concession lines were all run from the posts planted by me last year on the west boundary of the township of Currie. The township was then laid out in the regular manner, observations for azimuth being taken whenever possible. A single row of wooden posts of the most durable timber obtainable in the locality were planted at the intersection of all side lines with concession or boundary lines. The posts so planted at the intersection of concession and side lines were marked on the north and south sides with the number of the respective concession and on the east and west sides with the proper lot numbers. Wooden posts were also planted on the concession lines and on the south boundary to mark the division lines between the lots in each block. These posts were marked with the number of the lots on the east and west sides and with the number of the concession on the north side only. In addition to the wooden posts above mentioned iron posts one and one-quarter inches in diameter and three feet long, were planted one on line between concessions three and four at the intersection of the said lines between lots six and seven, marked on the north side Con. IV, on the south side Con. III, on the east side VI, and on the west side VII, and one at the intersection of the south boundary with the side line between lots six and seven, marked on the north side Con. I, on the east side Con. VI, and on the west side VII. The iron posts one and three-quarter inches in diameter which I had planted last year to mark the southwest angle of the township of Currie and marked on the north side Con. I, on the northeast side Currie, on the east side XII, on the southeast side Egan, on the southwest side Sheraton, on the west side I, on the northwest side Bond was taken up by me and the township names on the southeast and southwest sides namely, Egan and Sheraton carefully obliterated. This post was then driven in the same place. On the iron post one and one-quarter inches in diameter planted by me last year at the intersection of the line between concessions three and four with the west boundary of Currie, I marked I on the west side in addition to the marks put on last year, namely, Con. III on south side, Con. IV on north side and XII on east side. The iron post planted at the northeast angle of Bond by Mr. Speight, Ontario Land Surveyor, had been marked Con. VI on the south side and XII on the east side by me last year, and had also been marked Bond on the southwest side and Currie on the southeast side. On this Post I marked I, for the number of the lot in Bond.

As the line between lots six and seven, concession six, did not strike the iron post planted by Ontario Land Surveyor Speight at the fifteenth mile

post on his base line of nineteen hundred and three, I did not plant any iron post here as none was furnished me by your department.

I found an iron post one and seven-eighths inches in diameter at the northwest angle of Bond which had been planted by Ontario Land Surveyor Speight and marked Bond on the southeast side. On the east side of this post I marked XII for the number of the lot and Con. VI on the south side for the number of the concession.

Owing to the fact that the line between concessions three and four intersecting the west boundary of Bond at the iron post planted by Ontario Land Surveyor Speight at the third mile, I marked the iron post planted by him XII on the east side, Con. III on the south side, and Con. IV on the north side.

On the iron post planted by Ontario Land Surveyor Speight on the north shore of a small lake at the southwest angle of the Township of Bond at chainage six miles eleven chains, and marked Bond on the northeast side, I marked I on the north side and XII on the east side for the number of the concession and lot.

The magnetic variation in the township of Bond ranged from five degrees west to fifteen degrees west and could not be relied on for running lines except in the northeast corner where the deflection remained nearly constant at nine degrees fifteen minutes west.

As will be seen on the accompanying plan the Driftwood River and its tributaries drain almost the entire township. Moose Lake is a very shallow body of water with a soft spongy bottom. The greater portion of the land in this township is very swampy and much of it is but a few feet above the surface of Moose Lake and Driftwood River, and it would be necessary to lower the surface of the lake and river to render the land fit for agriculture. This can be done very easily by blasting and removing the rock in the first rapids down the river. As it is now only thirty per cent. of the land is suitable for agriculture, but if the above mentioned improvements were carried out about seventy per cent. can be made good agricultural land.

There is a small area of sandy land in the southwest corner and also a ridge of rocky land southeast of Moose Lake, neither of which, in my opinion, will ever be suitable for farming. This rocky ridge is of Huronian formation, but no signs of economic minerals were observed.

Small spruce, dead tamarac, alders and willows are to be found in great abundance on the low lands adjacent to the river and lake, but on the higher lands spruce, poplar, birch, balsam and cedar attain large sizes. In the southwest corner there is a considerable area on which the timber is chiefly banksian pine, some of which has attained a size of fifteen to twenty inches in diameter and is of good quality.

Game, consisting of moose, bear, mink and muskrat, is very plentiful, and the fresh work of the beaver was noticed in several places.

The waters abound in fish, pike and pickerel being the most plentiful.

Accompanying this report are plan, field notes, timber map and account.

I have the honour to be,

Sir,

Your obedient servant,

(Sgd.) JOHN H. SHAW,
Ontario Land Surveyor.

To the Honourable,
The Commissioner of Crown Lands,
Toronto.

(*Appendix No.* 40.)

Township of Bowman, District of Nipissing.

North Bay, Ontario, December 22nd, 1904.

Sir,—I have the honor to submit the following report on the survey of the township of Bowman, in the District of Nipissing, made under instructions from your Department dated May sixteenth, A.D. nineteen hundred and four.

Having finished the survey of the township of Bond, I proceeded to the northeast angle of the township of McCann where I commenced the survey of the township of Bowman. I ran the east boundary of the township north astronomically from this point planting posts at regular intervals of one mile apart for a distance of three miles, the remainder of the distance to the northeast angle being run a few days later. The first four concession lines were run west astronomically from the posts so planted on the east boundary but the fifth was run east and west astronomically from the fourth side line. The first four side lines were run north astronomically from the posts planted by me at intervals of one mile apart on the south boundary, but the fifth which had been run for one mile while we were camped in the township of Egan was run from the post planted by T. B. Speight, Ontario Land Surveyor, between lots ten and eleven, concession six, McCann. The survey was then carried out in the usual manner, astronomic observations being taken whenever possible.

A single row of wooden posts of the most durable timber to be obtained were planted on the lines running east and west, only at all intersections of all lot corners. The posts planted at the intersection of all side lines with concession lines or boundaries were marked on the north and south sides with the numbers of the respective concessions, and on the east and west sides with the numbers of the lots. Those planted to mark the division line between the lots in each block were marked with the lot numbers on the east and west sides, and on the north side only with the concession number in keeping with this system of survey.

Iron posts one and one-quarter inches in diameter were planted beside the wooden posts on the side line between lots six and seven, one at the intersection of the south boundary marked VI on the east side, VII on the west side, and Con. I on the north side. One at the intersection of the line between concessions three and four marked VI on the east side, VII on the west side, III on the south side, and IV on the north side, and one at the intersection of the north boundary marked VI on east side, VII on west side and Con. VI on the south side.

I also planted iron posts one and one-quarter inches in diameter, one at the intersection of the line between concessions three and four with the east boundary and marked it Con. III on the south side, Con. IV on the north side and I on the west side and one at the intersection of the west boundary marked III on the south side, IV on the north side and XII on the east side.

At the southwest angle of the township I found the iron posts one and seven-eights inches in diameter planted last year by Mr. Speight, Ontario Land Surveyor, and along with the necessary marks for the other townships whose angles coincided with this angle of the township. I found the post marked Bowman on the northeast side. I marked XII on the east side. This post had been marked Con. I on the north side last year. At the northwest angle of the township I found an iron post marked Bowman on the southeast side in addition to the necessary marks for the township of Currie. I marked XII on the east side, Con. VI having been put on the south side last year in the survey of the township of Currie.

At the northeast angle of the township I planted an iron post one and seven-eighths inches in diameter and marked Bowman on the southwest side: Hislop on the southeast side: "I" on the west side and Con VI on the south side. The thirtieth mile post on Ontario Land Surveyor Speight's base line in nineteen hundred and three, which line forms the north boundary of the township of Bowman, was two chains and fourteen links east of the northeast angle of the township of Bowman. At this point (the thirtieth mile post) I found an iron post one and seven-eighths inches in diameter planted beside a wooden post, both of which were marked Hislop on the southeast side and Bowman on the southwest side. I destroyed these marks on both the iron and wooden posts.

At the southeast angle of the township I found a wooden post planted but no iron post. I marked the wooden post Con. I on the north side : I on the west side and Bowman on the northwest side. My instructions did not call for planting an iron post at that point, nor was it furnished me by your Department.

The magnetic variation ranged from two degrees east to eighteen degrees west and was so unreliable that no use could be made of the magnetic needle in running lines.

With the exception of a gravel ridge which extends in a southerly direction from lot three, concession six, to the south boundary, and a large area of rocky land in the southwest corner, the surface of this township is fairly level. About sixty per cent. of the land is well adapted for agriculture, being level or gently undulating clay land. It is well watered by numerous small creeks and along the trail leading south from Black River there are a number of small lakes. There is a considerable area of sandy land covered with small banksian pine. This area extends from lot four, concession four, to the south boundary and includes the above mentioned gravel ridge.

The timber is chiefly spruce, poplar, birch, banksian pine, balsam and dead tamarac. Some of this timber attains a large size and is of good quality. In the northern and eastern parts of the township there is great quantities of fallen timber rendering the bush difficult to travel through.

The rock formation in this township is all Huronian but no economic minerals were seen.

Game is abundant, moose, bear and partridge being plentiful, and traces of beaver, mink and muskrat were seen.

As there is a fairly good water power on Black River just north of lot four, concession six, and as there is some probability of the Temiskaming and Northern Ontario Railway being constructed near that point, I consider that lots three, four and five, concession six, may be specially valuable as a town site.

An Indian named McDougal has a house built on lot four, concession six, and as he has lived there for along time his right as a settler should be recognized. There is also a small Indian Cemetery on lot four, concession two, which should be considered private property.

In conclusion I may say that in view of the early development of this part of the country, I think this township should be opened for settlement at once.

Accompanying this report are plan, field notes, timber map and account.

I have the honor to be, sir,
Your obedient servant,
(Sgd) John H. Shaw,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 41).

TOWNSHIP OF EGAN, DISTRICT OF NIPISSING.

North Bay, Ontario, December 28th, 1904.

Sir,—I have the honor to submit the following report on the survey of the township of Egan, in the District of Nipissing, performed under instructions from your Department dated May sixteenth, A.D. Nineteen hundred and four.

Leaving North Bay on the sixth of June, I proceeded along with my party of nineteen men in all, by rail and steamer to Tomstown where we loaded our canoes and proceeded via the Blanche and the Black Rivers and arrived at McDougals, an Indian settler's place on Black River, some nineteen miles from its junction with the Abitibi River, on the twenty-second day of June. Here I divided my party sending part of my men in charge of my assistant down the Black and up the Driftwood Rivers with supplies intended for the survey of the township of Bond, while with the remainder I packed supplies to the township of Egan. The route followed was southward along an Indian trail, a distance of six miles, then along the north boundary of the townships of McCann and Egan some five miles to the Wataybaeg River. Here I met my assistant and his gang who had cached their provisions at a suitable place near the Driftwood River.

Owing to the great difficulties in transportation, I was obliged to begin the survey by starting at the northeast angle rather than the southeast angle of the township as called for in the instructions. I ran the first two side lines south astronomically from the theoretical points on the south boundary of the township of Currie and ran these lines through the first concession first by trial lines, which were not blazed, then by true lines, so as to strike the posts planted by Ontario Land Surveyor Galbraith on the south boundary.

All the concession lines were run from the several mile posts planted by Ontario Land Surveyor Speight on the meridian line run by him last year, which line forms the east boundary of the township of Egan, and all the remaining side lines were run north from the posts planted by Ontario Land Surveyor Galbraith on the south boundary, which line I chained and found correct. I also ran the west boundary north astronomically from the iron post planted by Ontario Land Surveyor Galbraith to mark the southwest angle of Egan.

The survey was then performed in the usual manner. I turned off the necessary angles from the boundary lines and took observations where possible in the interior of the township. A single row of wooden posts was planted on the lines running east and west only at all intersections and lot corners. The posts planted at the intersections of all side lines with the concession lines or boundaries were marked on the north and south sides with the number of the respective concessions and on the east and west sides with the number of the respective lots. Those planted to mark the division line between the lots in each block were marked with the lot numbers on the east and west sides and on the north side only with the concession numbers, according to the practice in this system of survey.

Iron posts were planted beside the wooden posts on the line between concessions three and four, one at the intersection with the east boundary which was marked I on the west side : Con. III on the south side, and IV. on the north side. One at the intersection of the side line between lots six

and seven marked VI. on the east side : VII. on the west side : Con. III. on south side and Con. IV. on the north side and one at the intersection of the west boundary marked XII. on east side : Con. III. on the south side, and Con. IV. on the north side. I planted an iron post one and one-quarter inches in diameter at the intersection of the side line between lots six and seven with the north boundary and marked as follows: VI. on the east side: VII. on the west side and Con. VI. on the south side. At the north-east angle of the township I found an iron post which had been planted by Ontario Land Surveyor Speight last year and which I had marked Con. I. on north side: I. on west side last year, while engaged in the survey of the township of Currie. On the south side of this post I marked Con. VI. and I found it was already marked Egan on the southwest side. At the northwest angle of the township I planted an iron post one and seven-eighths inches in diameter and marked Egan on the southeast side, Sheraton on the southwest side: Con. VI. on the south side and XII. on the east side. At the southwest angle of the township I found an iron post one and seven-eighths inches in diameter planted by Ontario Land Surveyor Galbraith already marked Con. I. on the north side : Egan on northeast side: XII. on the east side : Timmins on the southwest side: I. on west side and Sheraton on northwest side. At the southeast angle of the township I found an iron post one and seven-eighths inches in diameter planted and marked XII. M 1.34 on north side: XII. M 5.10 on west side: Egan on northwest side, and McCann on northeast side. On this post I marked I. on west side and Con. I on north side. At the intersection of the side line between lots six and seven with the south boundary, I found an iron post one and one-quarter inches in diameter planted by Ontario Land Surveyor Galbraith on which I marked Con. I. on north side : VI. on east side and VII. on the west side.

The magnetic variation ranged from six degrees west to fifteen degrees west and could not be depended on for azimuth. I therefore, ran nearly all the lines with the transit.

The land is swampy in many places, but in general may be classed as undulating except in two or three instances where rocky hills rise to a height of two or three hundred feet above the surrounding country. The east and west portions of the township are drained respectively by the Watabaeg and the little Driftwood Rivers, both of which on account of many log jams are useless as canoe routes.

Almost the entire township is heavily timbered with large spruce, poplar, balm of gilead, birch, balsam, banksian pine with some cedar and dead tamarac. Much of this last timber is still sound enough for railway ties. About two thousand acres of the southwest part of the township has been burned over about ten or twelve years ago, and in this tract a few scattering green white pine of fair quality are to be found.

Wild fruit, consisting of strawberries, raspberries, blue-berries, cranberries and currants, is abundant, while flowers of many varieties including even the moccassin flower and lady slipper were noticed.

The rock formation is all Huronian, cropping out in considerable areas, but no indications of economic minerals were noticed.

Game is abundant in this section, moose, bear, beaver, mink, muskrat and partridge abound, while traces of caribou and wolves were noticed.

About sixty-five per cent. of the land in this township is suitable for agriculture and when improved will make a good farming section. The greater part of the land in the first concession is unfit for settlement, and in my opinion the land in the unsurveyed territory to the south is also of poor quality.

Pulpwood is in considerable abundance in the township, but apart from this there is no timber but can be used to advantage by settlers and for other local purposes.

Accompanying this report are plan, field notes, timber map and account.

I have the honor to be, sir,

Your obedient servant,

(Sgd) John H. Shaw,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix* 42.)

Township of Warden, District of Nipissing.

Bruce Mines, Ontario, November 30th, 1904.

Sir,—In accordance with your instructions dated June twenty-sixth, nineteen hundred and three, I beg to report that I have completed the survey of the township of Warden, in the District of Nipissing.

The survey of this township was commenced in September, nineteen hundred and three, immediately after the completion of the survey of the township of Milligan. However, on account of the almost continuous rainfall, I was unable to keep my men, and the survey had to be abandoned for the season. I returned to complete this survey in June, nineteen hundred and four, leaving Bruce Mines on June eighth and arriving at the township of Warden on June twenty-eighth. The survey was commenced the next day and continued without interruption until completed.

The township was surveyed in the usual manner, the concession lines being run due west and the side lines due north (astronomically). The regular lots are of three hundred and twenty acres each approximately. The posts were carefully marked and made of the most durable timber available, and bearing trees were marked whenever possible. Iron posts were planted according to instructions and are noted in the field notes as follows :—

At the northeast angle of the township an iron post one and seven-eighths inches, marked "Warden" on the southwest side ; "Milligan" on the southeast side;

At the northwest angle of the township an iron post one and seven-eighths inches, marked "Warden" on the southeast side;

At the southwest angle of the township, an iron post one and seven-eighths inches, marked "Warden" on the northeast side; "Beatty" on the southwest side; "Coulson" on the northwest side; "Munro" on the southeast side.

At the southeast angle an iron post one and seven-eighth inches in diameter, marked "McCool" on the southeast; "Milligan" on the northeast; "Munro" on the southwest and "Warden" on the northwest.

Iron posts one and one-quarter inches in diameter were planted on the line between lots six and seven, at its intersection with the south boundary, the east boundary and concession line between concesions three and four; also on the east and west boundaries at their intersection with the line between concessions three and four.

The township as a whole is a splendid one from an agricultural standpoint. Along the eastern boundary is an area of sand and gravel, which runs towards the west along the south boundary. Along the front of concession one, the land becomes very rough and rocky. These sandy and rocky portions have been burnt over about seven years ago, and are now growing up with small jack pine, poplar, birch and cherry. The remaining portion of the township is composed largely of clay land, just sufficiently rolling to afford good drainage. It is inclined to be low in places, but about seventy-five per cent. of the township is available for farming purposes. There is practically no muskeg. The swampy portions are covered with a heavy growth of moss, covering a thick layer of rich black mould, but one invariably strikes the clay underneath. These portions when cleared will make most productive land.

With the exception of the small burnt portions previously mentioned, the whole township is heavily timbered with spruce, balsam, poplar, white birch, jack pine and tamarac. The tamarac, however, is all dead, and much of it is fallen. Throughout the whole township, is a dense undergrowth of alders, hazel and moose maple. These together with a large amount of fallen timber, make travelling very difficult.

The township is well watered with small streams running through it. None of these streams, however, are large enough for canoe travel, in addition to which they are all badly blocked with fallen timber. There are no water powers.

Moose and deer were seen occasionally while beaver and bear are very plentiful. Partridge are also numerous.

No minerals of any value were seen, and in fact rock exposures were very scarce. The magnetic variation is fairly constant at about nine degrees thirty minutes west.

Accompanying this report are a general plan, timber plan, field notes and accounts in triplicate duly attested.

I have the honor to be, sir,
Your obedient servant,
(Signed) James S. Dobie,
Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 43.)

Township of Beatty, District of Nipissing.

Bruce Mines, Ontario, December 14th, 1904.

Sir,—I beg to report that in accordance with your instructions dated May sixteenth, nineteen hundred and four, I have completed the survey of the township of Beatty, in the District of Nipissing.

I commenced the survey of this township immediately after completing the survey of the township of Munro, and completed the survey on the twenty-ninth day of September, nineteen hundred and four.

The township was surveyed in the usual manner, with the exception that there are thirteen lots in each concession instead of twelve. The southern boundary of this township is the base line run by Ontario Land

Surveyor Speight in nineteen hundred and three, the west boundary is the east boundary of the township of Carr, and the east boundary is the meridian line run in nineteen hundred and two by Ontario Land Surveyor Speight. As the distance along Ontario Land Surveyor Speight's base line from the southeast corner of the township of Carr to Ontario Land Surveyor Speight's meridian line run in nineteen hundred and two, is six miles, fifty-two chains, seventy-four links I was instructed to run my side lines from Ontario Land Surveyor Speight's mile posts, and to make lot one of a width of fifty-two chains, seventy-four links, the other lots being of the usual width of forty chains approximately, consequently the side lines run between lots three and four, five and six, seven and eight, nine and ten, eleven and twelve. Otherwise the township was surveyed in the usual manner. Substantial wooden posts of the most durable timber available were carefully planted and properly marked. Bearing trees were marked and noted in the field notes. Iron posts were planted and marked as follows:—

First. At the southeast corner of the township marked Beatty on the northwest side; Hislop on the southwest side; Con. I. on the north side, and I. on the west side.

Second. At the northeast corner of the township marked Coulson on the northwest; Beatty on the southwest; Con. VI. on the south, and I. on the west.

Third. At the southwest corner marked Beatty on the northeast corner; Carr on the northwest; Bowman on the southwest; Hislop on the southeast; Con. I. on the north; XIII. on the east; and XXX M. on the west.

Fourth. At the northwest corner of the township marked Beatty on the southeast; Carr on the southwest; Con VI. on the south and "XIII" on the east.

Fifth. At the intersection of the east boundary with the line between concessions three and four, marked Con. III. on the south; Con. IV. on the north; I. on the west.

Sixth. At the intersection of the line between concessions three and four with the line between lots seven and eight, marked Con. III. on the south; Con. IV. on the north; VII. on the east, and VIII. on the west.

Seventh. At the intersection of the line between concessions three and four with the west boundary, marked Con. III. on the south; Con. IV. on the north; XIII. on the east.

Eighth. At the intersection of the line between lots seven and eight with the north boundary, marked Con. VI. on the south; VII. on the east; VIII. on the west.

Ninth. At the southern extremity of the line between lots seven and eight, marked Con. I. on the north; VII. on the east, and VIII. on the west.

The township as a whole is a good one from an agricultural standpoint, it is nearly all undulating land, of a good quality of clay and clay loam, inclined to be swampy in some places. Along the east boundary there are some ridges of rock, but on the whole these are not of great importance, and the valleys between are mostly of excellent land. The western portion is very level. There is a large amount of valuable spruce, poplar, balsam and white birch, with a great amount of dead tamarac. Fire has over-run a few scattered portions, but on the whole these areas are not of great importance.

There are no rivers of any importance, and consequently no water powers.

No traces of economic minerals were seen, although the rock exposures were of the Huronian formation principally of diorites and greenstones.

The magnetic variation was fairly constant at an average value of nine degrees, thirty minutes west.

Not much game was seen, although moose and deer appear to be fairly plentiful. Partridge are quite plentiful and beaver are very numerous.

Enclosed herewith you will find a timber plan, general plan, field notes and account in triplicate.

I have the honor to be, Sir,

Your obedient servant,

(Signed) James S. Dobie,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 44.)

Township of Munro, District of Nipissing.

Bruce Mines, Ontario, December 14th, 1904.

Sir,—I beg to report that in accordance with your instructions dated May sixteenth, A.D. nineteen hundred and four, I have completed the survey of the township of Munro, in the District of Nipissing. The survey of this township was commenced during the season of nineteen hundred and three by W. A. McLean, Ontario Land Surveyor of Toronto, but was not finished by him. As Mr. McLean was unable to go back to finish his survey this season, arrangements were made whereby I finished the survey of this township, and also a portion of the township of McCool. Mr. McLean had run the north boundary and the lines between concessions two and three, and between concessions four and five, marking all his posts on four sides, as for double fronted concessions. Acting on your instructions of May sixteenth, nineteen hundred and four, I continued the survey by running the side lines, and the remaining concession lines, and removing the marks from the south side of such posts as had been improperly marked on that side. Mr. McLean had planted posts every forty chains on all the lines run by him, and I was instructed to run the side lines north astronomically, and where the side lines did not intersect the concession lines run by Mr. McLean, at the posts planted by him, I was to move his post to the point of intersection, noting the distance the post was moved. This distance was added to or subtracted from the chainage of the fronts of the adjoining lots, thereby giving the chainage to the half mile posts. In cases where my side lines intersected within one chain of Mr. McLean's posts, I was instructed that it was not necessary for me to move the half-mile posts. However, I found after running the side lines between lots two and three, and lots four and five, that the intersections were becoming farther from Mr. McLean's posts. I, therefore, moved all of his posts west of the side line between lots four and five, so as to give an approximate frontage of forty chains to all the lots, otherwise the township was surveyed in the usual way." Wooden posts of the most durable timber available were planted in the proper places, and were carefully marked. Iron posts were planted as follows:—At the southeast corner of the township marked "Munro" on the northwest; "McCool" on the northeast; "Michaud" on the southeast, and "Guibord" on the southwest.

Second. At the southwest corner marked "Munro" on the northeast; "Guibord" on the southeast.

Third. At the northeast corner marked "Munro" on the west; "McCool" on the east; "Milligan" and "Warden" on the north.

Fourth. At the northwest corner marked "Warden" on the northeast and "Munro" on the southeast. Iron posts were also planted on the south boundary betwen lots six and seven, on the north boundary between lots six seven, on the line between concessions three and four, at lots six and seven, and at the east and west boundaries between concessions three and four. These iron posts are all marked with the number of the lots and concessions, and recorded in the field notes.

The township as a whole is not suitable for farming purposes. Along the southern and western boundaries is a strip of clay land, swampy in places, with dry clay ridges, timbered with spruce, balsam, birch, poplar, and jack pine. This portion, however, is broken with rock ridges. East of this is a series of sand plains and rolling sand ridges. This area has been swept by fire about seven or eight years ago, and is now growing up with an undergrowth of cherry, alder, birch, poplar and jack pine. This brulé is irregular in shape, and in it are scattered patches of green bush which have escaped the fire, but on the whole there is little timber of any value. Lots four to eleven, in concession six, are very rough and rocky. A series of bare rocks running all the way across them and also across the northern portion of the same lots in concession five. These rocks are principally Huronian greenstones, but no minerals of value were noticed.

The magnetic variation is fairly constant at about ten degrees west.

There are large streams as the hills in this township form a watershed between the waters flowing towards Black River and those flowing north towards Lake Abitibi.

Very little game was noticed although bears are numerous on the brulé. Partridge are fairly plentiful and beaver are numerous.

Accompanying this report are a general plan, timber plan, field notes and account in triplicate.

I have the honor to be, sir,
Your obedient servant,
(Signed) James S. Dobie,
Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 45.)

TOWNSHIP OF RICKARD, DISTRICT OF NIPISSING.

Sault Ste. Marie, Ontario, December 16th, 1904.

Sir,—I beg to report upon the survey of the township of Rickard, in the District of Nipissing, made in accordance with your instructions of May thirty-first last.

Having completed the survey of Knox I continued from the west boundary of that township. I planted posts as directed, marking also, and planting and marking iron posts as below :—

The iron posts one and seven-eighths inches at the northeast angle between Knox and Rickard: Rickard on southwest; Knox on southeast; Lot one on west: lot thirteen on east; the iron post one and one-quarter inches on the boundary between Knox and Rickard, concession three on south, con-

cession four on north; lot one on west; lot thirteen on east. The iron post one and seven-eighth inches at the southeast angle of Rickard; Rickard on northwest; Knox on northeast; lot one on west; lot thirteen on east, concession one on north. The iron post on the south boundary between lots six and seven, one and one-quarter inches, concession one on north; lot six on east; lot seven on west. The iron post one and seven-eighth inches at the southwest angle of township, Rickard on northeast; concession one on north, lot twelve on east. The iron post on the west boundary one and one-quarter inches, concession three on south; concession four on north; lot twelve on east.

The iron post one and seven-eighth inches at northwest angle of the township, Rickard on southeast, concession six on south; lot twelve on east. The iron post one and one-quarter inches on the north boundary, concession six on south: lot six on east; lot seven on west. The iron post in centre of township one and one-quarter inches, concession three on south; concession four on north; lot six on east; lot seven on west.

The remarks in the township of Knox apply equally to Rickard. The swamp being more extensive and the country generally more level, an enormous amount of windfall and dense undergrowth even in the swamps. The soil a heavy grey clay. Timber spruce and poplar, about forty per cent. arable land.

I beg to enclose plan, field notes, etc., and am, sir,

Yours faithfully,

(Signed) Joseph Cozens.

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 46.)

Township of Knox, District of Nipissing.

Sault Ste. Marie, Ontario, December 15th, 1904.

Sir,—I beg to report upon the survey of the township of Knox, in the District of Nipissing, made in accordance with your instructions of May thirty-first A.D. nineteen hundred and four.

I reached my work via. Mattawa, Temiskaming, Quinze Lake, Lake Abitibi, etc., and found the country no easier of access than last year. Notwithstanding my knowledge of the route, I was put to serious inconvenience and expense by the non-delivery of some of my canoes which had been shipped via Canadian Pacific Railway a fortnight before my arrival at Temiskaming. Their charges were also exhorbitant for what they did deliver.

I made the survey, planted and marked the posts as directed, taking frequent observations for azimuth, also planting and marking the iron posts below.

An iron post one and seven-eighth inches at the northeast angle of the township, marked Knox on the southwest and lot 1 on the west.

The iron post on the east boundary of the township one and one-quarter inches in diameter, marked Con. III on the south, Con. IV on the north, lot 1 on the west.

The iron post denoting the northeast angle of the township of Coulson, Knox on the northwest, lot 1 on the west.

The iron post one and one-quarter inches in diameter on the south boundary:—Con. 1 on the north, lot VII on the east, lot VIII on the west.

The iron post one and seven-eighth inches in diameter denoting the northwest angle of the township of Coulson:—Knox on the northeast, Rickard on the northwest, Lot XIII on the east, Lot I on the west.

The iron post on the boundary between Knox and Rickard one and one-quarter inches in diameter:—Con. III on the south, Con. IV on the north, Lot XIII on the east, Lot 1 on the west.

The iron post one and seven-eigth inches on the north boundary between Knox and Rickard:—Knox on the southeast, Rickard on the southwest, Lot XIII on the east, Lot I on the west.

The iron post one and one-quarter inches in diameter on the north boundary of the township:—Con. VI on the south, Lot VII on the east, Lot VIII on the west.

The post in the centre of the township:—Con. III on the south, Con. IV on the north, Lot VII on the east, Lot VIII on the west.

The other posts were chiefly spruce and wherever possible from six inches to eight inches square.

The country is generally level though very much broken, especially near the Abitibi River, with comparatively deep ravines, the narrow runs which can hardly be dignified by the name of creeks have evidently formed these, the sides and bottoms are covered with dense underbrush, willow, alder, hazel, etc., this with the enormous amount of windfall prevalent makes travelling through the country exceedingly arduous. From the nature of the soil, a heavy grey clay, and from the manner in which these ravines have apparently been formed, I imagine this section of the country will present problems in the way of drainage for cuts and fills in the construction of roads and railways.

Where spruce and poplar grow together the spruce is large, especially near the bank of the river. In the swamps it is small. The poplar is large and very tall. Very little birch was seen and practically no cedar. The tamarac is dead.

I saw no indications of mineral. The few rock exposures were Huronian.

I found no game, even partridge and rabbits were scarce. As for fish, I naturally thought the Abitibi River would prove a valuable asset in regard to food supply. I took nets with me and caught practically no fish. The variety was large. Maskinonge, white fish, pike and one rock sturgeon, but the supply was very limited.

The country seems especially adapted for the raising of small fruits, raspberries, currants, red and black, goose-berries, cranberries, etc., these grew in abundance, also edible fungi in great profusion and variety.

I should judge that about fifty per cent. of the township would consist of arable land, and from my experience of swamp lands in Algoma, think that possibly in the future, when the country is cleared and drained, these lands will be of the best.

The weather was fine and dry, only three very wet days on which the party could not work. A heavy frost on the night of the twenty-seventh of August and more or less frost during September.

I was lucky enough to connect with the steamer Meteor at North Temiskaming, but even with that advantage it took two days to reach Mattawa.

The difficulty of access, the time occupied in going to and from the work, the enormous charges for transportation, the character of the country, the lack of game and fish, etc., made this the most expensive survey I have ever had the misfortune to undertake.

I send with this plans, field notes, etc., and am

Sir,

Yours faithfully,

(Sgd.) Joseph Cozens,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 47).

TOWNSHIP OF MCCOOL, DISTRICT OF NIPISSING.

Toronto, Ontario, December 23rd, 1903.

SIR,—I have the honor to submit the following report of the survey of the Township of McCool in the District of Nipissing, performed under instructions dated June twenty-ninth A.D. nineteen hundred and three.

This township, about six miles from Lake Abitibi, is bordered on the north, west, and south, by the townships of Milligan, Munro and Michaud, respectively, and on the east by unsurveyed lands.

Having regard to the completion of the meridian line from which I was instructed to commence the survey, I did not assemble my party at North Temiskaming, Quebec, until July fifth. From this point we proceeded to Douglas Farm (Klock's Depot) on Lake Quinze, seventeen miles, by portage road. From this point we followed the usual canoe route through Lake Quinze, Barrier Lake, Grassy Lake, Long Lake, Island Lake, Upper Lake, Abitibi River, and intermediate streams, to the Hudson Bay Company's post near the easterly extremity of Upper Lake Abitibi. From here we crossed Upper Lake Abitibi, passed through "The Narrows" into Lower Lake Abitibi, reached the southern extremity of the bay on the westerly side of Biederman's Peninsula and ascended Grassy Creek about a mile, a canoe voyage from Klock's Depot of, approximately, one hundred and fifty miles.

Under more favorable circumstances this distance could be accomplished in five or six days, but having a large quantity of supplies and equipment to carry over portages, and having been windbound at Abitibi Post for several days, it was August twelfth when we crossed Lower Lake Abitibi, or sixteen days from Klock's Depot.

Finding that it would still be one week before the base line would be completed to a point at which I could commence my survey I proceeded to open a trail and to portage in my full outfit of supplies and equipment, a distance of about five miles, to the northeast angle of McCool. On August seventeenth I commenced the northern boundary of McCool, as directed, from the sixth mile post of the Meridian Line of Ontario Land Surveyor James Robertson, turning off the angle north eighty-nine degrees west from the Meridian Line. This chord of the arc of latitude forty-eight degrees thirty-seven minutes was produced six miles to the northwest angle of McCool, from which point a second similar chord was produced to Speight's meridian of nineteen hundred and two, forming the boundary line between the townships of Munro and Warden. The remainder of the sub-division of McCool was

carried out as shown by the plan and field notes accompanying this report. All lines were run with a transit except about eight miles in the northeast section of McCool, where, owing to an accident to one of my transits, a compass was used.

The township is approximately six miles square. Concessions are single fronted, and one mile in width. They run from east to west across the township, and number from the south, one to six. Lots number from east to west along the concessions, twelve in each concession. Side lines were run from north to south across the six concessions, between lots two and three, four and five, six and seven, eight and nine, ten and eleven, thus dividing the township into blocks of one square mile, and every block containing two lots each of about three hundred and twenty acres.

Wooden posts were planted along the front of each concession to mark the intersection of side and boundary lines. Posts at the southeast angle of lot one, and between lots two and three, four and five, six and seven, eight and nine, ten and eleven, and at the southwest angle of lot twelve, were marked on the north and south sides with the respective concessions and on the east and west sides with the proper lot numbers. Posts between lots one and two, three and four, five and six, seven and eight, nine and ten, eleven and twelve, were marked on the north with the proper concession number, and on the east and west with the respective lot numbers. Wooden posts were planted along the rear of the sixth concession, at the northeast and northwest angles of the township, and at the intersection of lines between lots two and three, four and five, six and sexen, eight and nine, ten and eleven, marked on the south Con. VI, and on the east and west sides with the respective lot numbers.

In addition iron posts were planted alongside certain of the foregoing wooden posts as follows:—

An iron post, three feet long and one and seven-eighths inches in diameter, at the northwest angle of the township of McCool marked on the northwest side Warden, on the northeast Milligan, on the southwest Munro, and on the southeast McCool. An iron post three feet long, one and one-quarter inches in diameter on the north boundary between lots six and seven, marked Con. VI on the south side, 6 on the east side and 7 on the west. An iron post three feet long, one and one-quarter inches in diameter, on the west boundary at the line between concessions three and four marked on the north side Con. IV, on the south side Con. III, on the east side 12, on the west side 1. Also a one and one-quarter inch iron post three feet long at the centre of the township between lots six and seven, at the front of concession four, and marked on the north side concession IV, on the south side Con. III, on the east side 6, on the west side 7.

The soil in the northeast part of the township is a variety of clay but is swampy and wet with, occasional dry ridges. In the southeast section the soil is of a similar nature, but the country is more hilly, rocky and broken. The remaining two-thirds is sandy and unfertile, and is not desirable agricultural land.

Small creeks are numerous, some flowing northerly towards Lake Abitibi, others easterly, being branches of Ghost River or its confluences. The largest stream is that passing out of the township at lot one, concession three, being a branch of the Ghost River. It is not passable for canoes in this township, nor for about three miles east in unsurveyed territory, being obstructed with alders, branches and submerged logs. The Ghost River however, affords the most convenient means of reaching the township at present. There are several small lakes up to twelve or fifteen acres in extent, and one of larger size on the west boundary between Munro and

McCool. As the soil is very sandy, the waters are clear and transparent. There are no water powers in the township.

Tracks of game were numerous, especially in the wooded part of the township. Moose, deer and caribou appear to be fairly plentiful although none were seen during the survey. Tracks of bears were very numerous, particularly in the burnt and sandy parts of the township where blueberries are exceedingly abundant. Brook trout were caught in a branch of Ghost River, and I have no doubt they would be found elsewhere, possibly in some of the lakes of the township, the waters of which are clear and cold, and favorable to their existence. An occasional wolf was heard. Spruce partridge were exceedingly plentiful.

There is much fallen timber throughout the township, particularly in the burnt district, making walking very difficult, and while moving camp and supplies was especially laborious. The spruce trees of the district are small, the roots do not descend deeply into the soil, and the soil being of a light nature, they are blown down to an unusual extent in very high wind storm. The prevailing gales appear to blow from the northwest.

The greater part of the township (about two-thirds) was burnt over eight or ten year ago, and the major portion of this brule was grown up with young birch, poplar, cherry, moose maple, and hazel. The unburned bush, occupying the eastern part of the township, is principally spruce about fifty years old, averaging six inches in diameter. Examination shows that the annual growth of these trees, as indicated by the rings, is small. This I would attribute to the wet and unfertile quality of the soil.

As shown by the accompanying timber plan, the township may be divided into three areas; the western part, principally brule, a section of the northeast, principally spruce swamp, an area in the southeast, higher land with considerable spruce, but with more birch and poplar on the rocky hills and ridges.

A few white pine (of no commercial value) were observed on lot twelve, concession four, while banksian pine are plentiful in the southern part of the township. Young banksian pine are springing up on the sandy, burnt areas in the southwesterly portion. All tamarac in the township is dead or dying, having been killed by an insect pest which attacked them about ten years ago. Cedar occurs in the township, but is faulty. The timber of chief commercial value is spruce, which is suitable for pulpwood. The branch of the Ghost River, if cleared of brush and logs, would afford ready means of getting to Upper Lake Abitibi, all the pulpwood in the township.

Rock exposures occur principally in the southeastern part of the township, the general strike being northwest to southeast. The outcropping rocks are chiefly Huronian green stones. Quartz veins were found, but no indications of gold or other valuable ores. The magnetic variation ranged from north eighteen degrees thirty minutes west to north nine degrees west, the ruling variation being about north ten degrees thirty minutes west. In the rolling sandy country, a number of hills appear to be ancient sand dunes.

A general plan, timber plan and field notes accompany this report.

I have the honor to be
Sir,
Your obedient servant,

(Sgd.) W. A. McLean,
Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 48).

TOWNSHIP OF BARNET, DISTRICT OF NIPISSING.

Glencoe, Ontario, December 21st, 1904.

SIR,—Under instructions from you dated June twenty-third A. D. nineteen hundred and three, I beg to report in connection with the survey of the Township of Barnet, in the District of Nipissing, that the township was reached and the work carried out as already set forth in my report on the Township of Cook.

The township corners are each marked by a wooden post planted firmly in the ground, beside which is also planted an iron post. The wooden posts are about six inches square and four feet high.The iron posts are one and seven-eighths inches in diameter and three feet long, and each marked as follows:—

At the southeast corner, the wooden post is of jack pine marked on the north side Con. 1, on the west side Lot 1. The iron post is marked "Barnet" on the northwest side. This corner is on a rock, and the posts are mounded with stones.

At the southwest corner the wooden post is of spruce, marked on the north side Con. 1, on the east side Lot XII, and on the west side Lot 1. The iron post is marked "Barnet" on the northeast side, and "Cook" on the southwest side.

At the northwest corner the wooden post is of spruce marked Con. 6, on the south side, Lot 1 on the west side, and Lot XII on the sast side. The iron post is marked "Barnet" on the southeast side, and "Cook" on the southwest side.

At the northeast corner the wooden post is of spruce, marked on the west side Lot 1 XII M. 6.83 chs., on the north side XVIII M. 3.70 chs., on the south side Con. 6. The iron post was marked on the north side XVIII M. 3.70 chs., on the west side XII M. 6.83 chs., on the northwset side "Michaud" and on the southwest side "Barnet."

The Township of Barnet is very similar to the Township of Cook. A considerable part of the surface is comparatively level, but there are numerous rocky exposures and stony hills of greater or less elevation.

About ten to fifteen per cent. of the area might be considered rocky or stony, about an equal proportion muskeg, and the remainder about equally divided between sand and clay of variable quality, but the area of any kind in one place is apparently not large. A considerable part of the land in its natural condition is low and wet.

The Pike River runs through the northwest corner of the township, entering it from the north on lot eight in the sixth concession and leaving it on the west near the line between concessions five and six. It is a stream about one chain in width, and four to six feet deep, with high banks and a fair current in places. In addition to this stream there are numerous smaller ones distributed over the township as shown on the plan.

The timber is chiefly spruce, tamarac, balsam, birch and poplar, with cedar in places, and some scrubby jack pine on the rocky hills. Of spruce prove valuable chiefly for pulpwood purposes. While a good deal of the there is a considerable quantity of fair size and good quality, which must birch and poplar is not large there are numerous patches of these timbers of fair to large size and nice quality. The tamarac while chiefly of considerable size is practically all dead. The muskegs are sparsely covered with scrubby spruce of little or no value.

The season's work of survey was completed at the southeast angle of this township, on the second day of September, and we returned home by the same route by which we had reached it.

The usual plan, timber map and field notes accompany this report.

I have the honour to be, sir,

Your obedient servant,

(Sgd.) James Robertson,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 49.)

Township of Cook, District of Nipissing.

Glencoe, Ontario, December 21st, 1904.

Sir,—I beg to report that I have completed the survey of the townships of Cook and Barnet together with my third base line, all in the District of Nipissing, which I was unable to finish last year, under instructions dated the twenty-third of June, A.D. 1903.

This season I left Glencoe for the work on the sixth day of June going by rail via North Bay and Mattawa to Temiskaming, Quebec, thence by steamer via New Liskeard to Tomstown in the Township of Ingram; thence by canoe up the Blanche river to the height of land which we crossed, and descended the White Clay and Black rivers to where the latter is crossed by Ontario Land Surveyor Speight's meridian, of nineteen hundred and two between his twentieth and twenty-first mile posts. This line from the eighteenth to the twenty-fourth mile post forms the west boundary of the township of Cook. The township of Barnet lies immediately to the east of the township of Cook. The third base line runs easterly from the twenty-fourth mile post on Ontario Land Surveyor Speight's meridian to intersect the meridian run by me in nineteen hundred and three, and forms the north boundary of the townships of Cook and Barnet.

The meridian line run by me in nineteen hundred and three, produced southerly forms the easterly boundary of Barnet, and a line run easterly from the eighteenth mile post on Ontario Land Surveyor Speight's meridian to intersect this line forms the southerly boundary of Cook and Barnet.

The overplus in width above six miles for each township caused by the divergence of meridians from my first base line of nineteen hundred and three is divided betwen the two townships and thrown into lot one of each. Five chains of this were given to the township of Cook and the remainder to Barnet.

The southeast angle of the township of Cook was fixed by measuring off six miles and five chains from Speight's meridian along the south boundary and the boundary line between the townships was run due north from the point thus determined.

The work of survey was commenced at Ontario Land Surveyor Speight's meridian on the west and carried easterly and finished at the southeasterly angle of Barnet, but in my field notes returned to the Department I show the measurements and notes recorded in the proper order and reading from east to west, and south to north in the usual way.

On the third base line I planted posts at every mile from the westerly end of the same, as directed in my instructions, as well as at the intersection of the lot lines where the latter do not coincide with the mile posts. I also removed the posts, set temporarily by Ontario Land Surveyor McCubbin in nineteen hundred and three to mark certain lot lines in the township of Michaud, to the intersection of his lines with my third base line, which now forms the south boundary of Michaud. The distances which these posts were moved and the bearing trees taken are fully set forth in the field notes.

The general aspect of the township of Cook is level, although the surface is broken by numerous rocky exposures, and small hills, and some few of considerable size which are conspicuous from a distance. It is situated in the border of the Great Clay Belt north of the height of land, and the character of the soil is not uniform. Of the total area of the township about ten to fifteen per cent. is rocky and stony, about an equal amount muskeg and the remainder equally divided between sand and clay of variable quality. A considerable portion of the township is low and wet in its natural condition and cannot at present be considered desirable for settlement. When cleared, however, and drained, much of it will no doubt be valuable for grazing and other purposes.

The township is well watered by Bolton Lake, Black River, Pike River, a tributary of the Black, and other smaller streams shown on the map. The Black River runs through the southwest corner entering the township at the south on lot eight in the first concession, and leaving it on the west from lot twelve in the third concession. Through the township it is a sluggish stream from two to three chains in width and five to ten feet in depth, with even low clay banks, and shores mostly covered with spruce and alders.

Bolton Lake is a pretty sheet of water on lots eleven and twelve in the third concession and connected with the Black River by a channel about seventy-five links wide and a few chains long.

Pike River enters the township from the east near the line between concessions five and six and runs westerly to lot seven then turns northwesterly and leaves the township on the north from lot eight in the sixth concession. This stream is about one chain in width and four to six or more feet in depth, and has high banks, and in places a good current. It is considerably obstructed in places by accummulations of driftwood, etc.

The township is practically all green, there being only a few small areas of windfall. The timber is chiefly spruce, tamarac, poplar, birch, balsam and cedar and much undergrowth of alders, etc.

Of spruce there is a goodly quantity from four to fourteen inches in diameter, and of good quality, which must prove valuable chiefly for pulpwood purposes. This timber stands fairly thick on the ground and although in patches more or less, will cover an area of about forty per cent. of the township. Mixed with the spruce is a considerable amount of tamarac of good size, practically all of which is dead, having been destroyed some fifteen or twenty years ago, it is said by the larch saw fly.

The poplar and birch grow on the higher lands and there are numerous patches of nice large trees of these timbers. Cedar is not very plentiful, although some nice patches of good quality were met with.

There are no water powers in this township, but on the Black River about a mile below the west boundary is a splendid fall, which will probably

be found to be near the line of the Temiskaming and Northern Ontario Railway extension when located.

Accompanying this report are a general plan, timber map and field notes.

I have the honor to be, Sir,

Your obedient servant,

(Sgd.) James Robertson,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 50.)

Township of McCann, District of Nipissing.

Toronto, Ontario, November 10th, 1904.

Sir,—I have the honor to submit the following report of the survey of the township of McCann, in the District of Nipissing, made under instructions from your Department dated twenty-fifth of June, A.D. 1903.

In addition to the subdivision of this township I received instructions for the subdivision of the township of Playfair, and the survey of certain base and meridian lines in the Districts of Nipissing and Algoma.

The late arrival of the instructions and the urgency of the base and meridian line work necessitated my deferring the township subdivision until the latter part of the season of 1903, and resulted in our being obliged to discontinue work when about one-third of the township of McCann had been surveyed, the remainder, together with Playfair, being untouched.

In returning to the township of McCann I left Toronto on 25th of May, 1904, and having organized a full party from various points we proceeded via Mattawa and Tomstown up the Blanche River to the height of land, and thence by means of White Clay and Black Rivers to McDougall's Falls. Leaving the Black River at this point, we followed the Matatchewan canoe route about ten miles southerly to the interior of McCann township, arriving on tenth of June. Between Tomstown and McDougall's Falls we encountered forty-six portages, and six more on the remainder of the journey.

The west boundary of McCann was run by myself in the base and meridian line surveys of 1903, and the survey of the township was based on concession lines run due east from the mile posts planted on that boundary, side lines being run at alternate lot lines throughout in accordance with the projected plan.

Except where the corner occurred in a lake or river, wooden posts of as durable timber as could be obtained were planted at every half-mile on the concession lines and marked for the several lots and concessions, those at the centre of each mile block being marked for the lots in the concession on the north side only. All lines were run by the transit and were well opened out and carefully blazed.

General Features.

The western one-third of this township is chiefly undulating, with occasional areas, of considerable extent, of flat land more or less swampy. The central one-third consists of sandy plains with lake basins surrounded

by high hills at intervals, and the remainder of the township is rugged and broken by lakes and rocky hills.

Soil.

The flat and undulating lands are for the most part clay and clay loam of fair quality. The sandy plains referred to are, in my opinion, too light to be classed as good farm lands, while the eastern one-third of the township from its broken character is not desirable for agricultural purposes, although containing numerous small areas of good clay and sandy loam, particularly in the northeastern part.

Timber.

Brulé of about thirty to forty years date covers the greater part of the township, the exceptions being near the east and west boundaries respectively, and in the vicinity of the larger lakes.

The second growth timber in the burnt part consists of banksian pine with white birch and spruce from two to six inches in diameter. Interspersed are small tracts or clumps of larger timber of good quality from ten to fifteen inches in diameter, having escaped the generel conflagration.

The original jack pine forest still remains on lots one and two and eight, nine and ten in concessions one and five. This jack pine will supply a considerable quantity of excellent timber for railway ties. Mixed timber of the original forest covers the unburned parts of lots one, two and three in concessions three, four and five, also lots eleven and twelve in concessions one, two, three, four, five and six. This timber, which comprises spruce, banksian pine, poplar, balsam and tamarac, with a few cedars of excellent quality, will be found valuable as the lands in the vicinity come into demand.

Minerals.

The rock exposures are of Huronian formation and consist of diorites, schists, etc. No indications of economic minerals were seen.

Waters.

Numerous lakes and small streams of good water furnish ample water supply, but no water powers are to be found. The lakes in the central part of the township are shallow, with muddy bottoms, and low, marshy shores. In the smaller lakes, named Andrews, Grave and Stock, the water is deep, clear and of excellent quality.

Game and Fish.

Moose, bear, otter, beaver and partridge are fairly plentiful, but the absence of fish is a notable feature in this section.

Summary.

About fifteen to twenty per cent. of the whole township may be considered desirable for agricultural purposes. When railway facilities are obtained a fair amount of timber will be made available.

Accompanying this report are a general plan, timber plan and field notes of the subdivision and traverse.

I have the honor to be,
Sir,
Your obedient servant,
(Sgd.) T. B. Speight,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 51.)

TOWNSHIP OF SHERATON, DISTRICT OF NIPISSING.

Bracebridge, Ontario, December 27th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Sheraton, in the District of Nipissing, under instructions from your Department dated the seventh day of July, A.D. nineteen hundred and three.

A portion of the work was performed in the month of September, nineteen hundred and three, and the remainder completed during this season.

At the time of commencing the survey I found it would be difficult to transport supplies to the east side of the township, on account of the extremely rainy season, and it was deemed advisable to commence near my base of supplies, at the southwest angle.

I therefore ran the side lines north from the posts on the south boundary planted by myself, and ran the concession lines east starting from the posts which had been planted on the west boundary by Mr. Speight, Ontario Land Surveyor.

Substantial wooden posts were placed along the concession lines and at the intersection of the side lines with the north boundary, the posts at all side lines being marked with the number of the concession on the north and south sides and the number of the lots on the east and west sides, while the posts at the division lines between the lots of each block were not marked on the south side.

Iron posts three feet long, and one and one-quarter inches in diameter were planted alongside the wooden posts on the fourth concession line, at the east boundary, and at the side lines between lots six and seven, and a similar iron post had been planted at the west boundary by Mr. Speight.

The northeast angle of the township is marked by an iron post and a cedar post planted by Mr. Shaw, Ontario Land Surveyor, these posts were marked by me Lot 1, Con. VI, Sheraton.

The country is fairly well watered with small creeks containing water of good quality, the drainage of the easterly portion is northerly to the Abitibi River and in the westerly portion the streams flow towards Night Hawk River, the flow of water in all the streams is gradual, with no abrupt falls or rapids and there are no available water powers.

The southerly portion of the township is flat and swampy, thickly timbered with spruce, balsam, tamarac, white birch, poplar and cedar.

A considerable area of rolling, sandy land extends from concession one to concession six in the westerly part, on which area the principal timber is jack pine and spruce from four to twelve inches in diameter.

The greater portion of the township is good agricultural land. Extending north and south through the central portion is a level tract of clay and clay loam which would appear to be a continuation of the Abitibi River clay belt and is apparently well adapted for agriculture.

On this portion the timber is of fair size from six to eighteen inches in diameter, the most valuable timber being spruce, poplar and white birch.

Towards the eastern boundary the country is more broken and rocky with some abrupt exposures of Huronian rock in concessions three and four.

There are no settlers or improvements in the township.

Accompanying this report are a general plan, timber map and field notes of the survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) W. Galbraith,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No. 52.*)

Township of Burt, District of Nipissing.

Stratford, Ontario, December 29th, 1903.

Sir,—I have the honor to submit the following report on the survey of the Township of Burt, in the District of Nipissing, performed under instructions from your department dated the twenty-first day of July A.D. nineteen hundred and three.

We proceeded to the township by rail via. Mattawa as far as Temiscaminque, Quebec, thence by steamer to the head of Lake Temiscaminque where we transfered to a smaller steamer, and were taken up the Blanche River to Tomstown near the east boundary of the township of Evanturel, thence by canoes, still following the Blanche River and the south branch of the same with a chain of lakes, to within about five miles of the southeast angle of the township of Burt. From Tomstown to the foot of Long Lake near the westerly limit of the township of Dack is a fairly good canoe route except that from about lot ten in the fourth concession of Evanturel to about lot eleven in the fourth concession of Dack. There is a considerably swift current and several falls necessitating towing of canoes and the making of nine portages, one of which is quite difficult owing to its length and steepness. However, the new road which is about completed between Tomstown and the foot of Long Lake will remove the necessity in the future of taking the above river route. The canoeing was first class from the foot of Long Lake to the head of Lake Kushog near the southeast angle of the Township of Gross. From the head of Kushog Lake we followed the south branch of the Blanche River as far as the southerly part of lot six in the fourth concession of Gross, where we were compelled to abandon the river on account of the numerous log jams. We then cut a trail northerly striking the Township of Burt on the south boundary of lot five in the first concession. Having reached the southeast angle of the Township of Burt we re-opened and re-chained the south boundary and began the actual survey of the township from Ontario Land Surveyor Niven's second mile post between lots four and five in the first concession.

In most instances the posts were found in good condition, and as long sights could be had on the boundaries they were used as base lines from which I turned off angles and carried on the work of survey. I marked the iron posts on the northeast, southeast and southwest angles, and planted a new iron post on the northwest angle of the township, and marked them in accordance with instructions with the name of the township facing it. I also planted iron posts three feet long and one and one-quarter inches in diameter at the centres of the four boundaries, and also at the centre of the township in acordance with instructions.

A fair portion of the whole township is comparatively level, chiefly low lying. In the northwestern portion, however, and also in the southeastern portion the township is more broken, being quite rolling and rocky.

There are seven lakes in the township, but these are all small excepting one in lots eight and nine in the fifth concession. This lake is about one and one-half miles from the Blanche River and is connected with the river by quite a large stream.

The Blanche River leaves the township on lot ten in the first concession and enters it on lot twelve in the fourth concession. The river has many windings and turnings and is almost entirely obstructed by numerous log jams. If these jams were removed (which could be easily done) the river would afford an excellent canoe route. The river is about sixty feet wide and averages six feet deep with clay banks about four feet high. There is a level tract of land on each side of the river for a distance back of from twenty to thirty chains. The township is well watered by numerous small creeks and rivulets.

Only a small portion of the whole area is good agricultural land. There is sufficient sand in the clay to make the soil easily worked. There is very little of the township too wet and swampy to be utilized, while there are considerable portions too rolling for agricultural purposes, the soil being principally a shallow covering of sand over stone and rock. All kinds of soil can be had in this township, clay, clay loam, sand and gravel. The township will be generally adapted for mixed farming and grazing.

There is quite a considerable quantity of merchantable timber along the Blanche River. There is considerable spruce, tamarac and cedar, ranging from six to sixteen inches in diameter. In lots one, two, three, four and five in concession three, four and five there is considerable spruce, banksian pine, white birch, tamarac, poplar and balsam of fair size and and quality. The remainder of the township being covered with a small vigorous second growth from three to eight inches in diameter, following brulé from about twenty-five to thirty years of age.

There were no indications of minerals and the magnetic variation was uniform throughout at about eight and one-half degrees west.

The geological formations met with are the Huronian and Laurentian.

The lakes abound with fish.

Partridges, moose and beaver are quite numerous.

No attempt at settlement has been made.

Accompanying this report are a general plan, a timber plan, and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) Angus Smith.
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 53.)

TOWNSHIP OF HOLMES, DISTRICT OF NIPISSING.

Stratford, Ontario, December 30th, 1903.

SIR,—I beg to submit the following report on the survey of the Township of Holmes, in the District of Nipissing, performed under your instructions dated the twenty-first day of July, A.D. nineteen hundred and three.

The survey was performed in conjunction with the survey of the Township of Burt which it adjoins to the west, and which I have already reported upon.

We reached the township as described in my report on the survey of the township of Burt, and commenced work at the southeasterly angle.

The boundaries having been surveyed previously were readily traced upon the ground. The wooden posts were found standing and in a good state of preservation, and beside each of the posts at the angles except the one at the southeast angle and the northeast angle, I planted iron posts furnished by your department for the purpose and marked them as directed in the instructions, with the name of the township facing it. I planted iron posts three feet long and one and one-quarter inches in diameter on the centre of each of the four boundaries excepting the south boundary, and one in the centre of the township, in accordance with instructions.

As long sights could be had on the boundaries they were used as base lines from which I turned off angles and carried on the work of the survey. I re-opend, re-blazed and chained the south boundary commencing at the southeast angle of the township. I began the actual survey on the south boundary running north on the line between lots two and three.

The character of the soil varies. The northeast portion of the township is of a sandy nature, that in the northwest undulating with low flat land interspersed with a rocky surface, while that in the southeastern portion is more level, the southwestern portion is rather broken, also having quite a number of lakes as shown on the accompanying plan.

About forty per cent. of the whole township is comparatively level, and is adapted for mixed farming, although the township will never be a firet class agricultural township. The surface varies from swampy land and sandy and clay flats to sandy knolls and stony hills and rocky ridges, and will be best suited for grazng purposes. In many places the soil on the rocky land is very shallow.

The township is well watered by numerous streams and water courses, also the south branch of the Blanche River passes through the northeast portion of the township. There are a number of lakes in the southwestern portion of the township, two of which are quite large and are filled with different kinds of fish.

There are evidences that there was large timber in the township at one time, but this has been burned off a number of years ago, and there is now a vigorous second growth of spruce, balsam, birch, poplar, banksian pine and cedar.

Among the river flats and in the southwestern portion of the township there is the largest timber ranging from six to twelve inches in diameter. In other places in the township the size ranges from four to eight inches in diameter.

There were no indications of minerals. The rock is of the Huronian and Laurentian formation. The magnetic variation was quite regular being eight and one-half degrees west.

Partridge, moose, and bear are the principal game.

There are no settlements and there are no valuable water power sites.

Easy communication could be had with the settled portion of the district by clearing the Blanche River of drift-wood which could be done at a light expense.

Herewith are submitted a general plan, a timber plan and field notes.

I have the honor to be,
Sir.
Your obedient servant,
(Sgd.) Angus Smith,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 54.)

Township of Pense, District of Nipissing.

Ridgetown, Ontario, December 30th, 1904.

Sir,—I have the honor to submit the following report on the survey of the township of Pense, in the District of Nipissing, performed under instructions dated June the thirteenth, Anno Domini, nineteen hundred and four.

Leaving Ridgetown on the first of August last, we proceeded by rail to Temiskaming, thence up the lake and Blanche River. Having found the southwest corner of our township, I planted an iron post marking it on the northeast side Pense, on the northwest side Ingram, on the southeast side Brethour, and the southwest Hilliard. The lot and concession on the north and east side.

I then measured east along the south boundary, planting posts to mark the lots, and ran each alternate lot line north astronomically, planting posts at their intersection with the concession lines. Iron posts of the large size one and seven-eighths inches in diameter, were planted at the other three corners of the township marking the same with the name of the surrounding townships, and the lot and concession. Three of the small iron posts one and one-quarter inches in diameter were planted in the line between lots six and seven on the south boundary, on the front of the fourth concession, and on the north boundary. The other two were planted on the front of the fourth concession on the east and west boundaries respectively. The concession lines were run east astronomically from the west boundary.

The land is very rough along the Otter Creek, it being badly cut up with ravines, but apart from this section, with the exception of a few rocky outcrops, is quite level and easily drained by the numerous creeks throughout the township. The soil is of a clay and black muck nature.

The timber is of a fair size, being composed chiefly of spruce, cedar, tamarac, balsam, poplar and birch. There is a fine stretch of white and

red pine in the sixth concession. Lots one, two and three, extending into lot one, in the fifth concession.

No minerals were found during the survey but in many places local attraction was great.

Otter Creek enters the township on the fifth concession running in a southwesterly direction. It has a very swift current. There is only one small lake, it being in the fourth concession, on lots two and three.

Moose, caribou and black bear were seen. Partridges were also plentiful.

The mean variation of compass was nine degrees west of north.

Accompanying this report will be found a plan of the township, field notes of the survey and accounts in triplicate. All of which are respectfully submitted.

I have the honor to be,

Sir,

Your obedient servant.

(Sgd.) Thomas Scane,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No. 55.*)

Township of Coleman, District of Nipissing.

New Liskeard, Ontario, September 24th, 1904

Sir,—In accordance with instructions issued to me, dated May sixteenth A.D. nineteen hundred and four, to survey the Township of Coleman, in the District of Nipissing, into lots of three hundred and twenty acres each, I beg to report as follows:—

The Township of Coleman lies south of the Townships of Bucke and Firstbrook and west of the Township of Lorrain. It is crossed by the Temiskaming and Northern Ontario Railway, which enters it where Bay lake empties into the Montreal River and leaves it at lot three, concession six. There is also a wagon road from Martineau Bay on Lake Temiskaming across Lorrain entering Coleman on lot one, concession five. There is also another wagon road from the Town of Haileybury through the Township of Bucke entering Coleman on lot ten, concession six, and thence to Portage Bay. This latter route affords a starting place for tourists, who can take canoe at the head of Sharpe Lake. There is a short portage into Mud Lake and another from Mud Lake into the Montreal River.

The survey was begun at the post planted by Mr. Niven, Ontario Land Surveyor, on the west boundary of the township of Lorrain where the same is intersected by the line between concessions eleven and twelve in said township. An observation was taken here and the line between concessions five and six was run due west astronomically to the west boundary of the township. The lots fronting on this line were each made forty chains in width except lot eighteen and the lots adjacent to the mining locations. There are no trees blazed on that portion of the line crossing the mining locations, the station grounds at Cobalt Lake and the town site of Cobalt. The post marking the west boundary of the town site of Cobalt was planted

two hundred and forty chains west of the west boundary of the township of Lorrain.

The west boundary of the township was run due south astronomically from the post planted by Ontario Land Surveyor G. A. McCubbin, marking the southwest angle of lot six, concession one of the township of Firstbrook, until Portage Bay was reached. The line between concession four and five was started from the post planted by Ontario Land Surveyor Alexander Niven on the west boundary of the township of Lorrain where the same is intersected by the line between concessions ten and eleven of the said township. This line was run due west astronomically until the southward production of the east boundary of mining location RL four hundred and eight was reached.

The side lines were run due north and south astronomically from the proper posts planted on the line between concessions five and six to the north and south boundaries of the township respectively.

The lines between concessions one and two, two and three were located by chaining south in each case from the next concession line north.

The lines marking the northeasterly and northwesterly boundaries of Messrs. Lumsden & Booth's timber berth were reopened, reblazed and rechained. The east boundary of the township was reopened but not reblazed. That portion of it lying south of the line between concessions seven and eight in the township of Lorrain was rechained. The east boundary of mining locations RL four hundred and two, four hundred and three, four hundred and five and four hundred and eight was reopened, reblazed and rechained. No post was found to mark the southeast angle of mining location RL four hundred and three. The south boundary of mining location RL four hundred and seven and four hundred and eight was reblazed. The north boundary of the town site of Cobalt was run due west astronomically from the post marking the southwest angle of mining location RL four hundred.

The traverse of the lakes and the Montreal River was done by means of stadia measurements and azimuths of the traverse lines were derived from and checked by the various concession lines and side lines cutting the lakes. In keeping the traverse notes, north astronomically was assumed to be three hundred and sixty degrees, and the bearings were reckoned through, east ninety degrees to three hundred and sixty degrees.

The magnetic variation in the township was found to be very irregular. When apparently under no local influence it was north nine degrees forty-five minutes west. As shown by the notes the variation frequently varies several degrees from this. Near Iron Lake, in lots seventeen or eighteen, concession six, the needle was observed to swing completely round.

The entire area of the township has been under license to Messrs. Gillies Brothers and J. R. Booth, as timber berths, consequently the red and white pine has been practically all removed. In the easterly part of the township there are several areas of good cedar. There are also considerable quantities of jack pine, spruce, balsam, white and black birch and poplar throughout the township. Portions of lots eleven, twelve and thirteen in concession six, and ten, eleven, twelve and thirteen in concession five, and lots eleven, twelve, thirteen and fourteen in concession four are not timbered.

The greater part of the township is rocky or extremely stony and hence unfit for agricultural purposes. However, portions of lot two and the greater part of the north half of lot three in concession six, also a portion of lots ten and eleven in concessions four and five, and part of lots twelve, thirteen and fourteen in concessions three, four, five and six and part of lots

eighteen and nineteen in concession eleven and a portion of the reserve in concession one, may be passed as agricultural land fit to produce ordinary farm products, amounting in all to fifteen per cent. of the area of the township.

The township throughout is well watered by lakes, creeks and springs and the water is of excellent quality. There are no water powers in the township except those on the Montreal River. There is a dam on Mill creek where it crosses the east boundary of the township, but the supply is uncertain and at no time great. The fall on the Montreal River at the rapids opposite lot fourteen was found to be six feet, five inches, and one opposite lot fifteen was found to be four feet, ten inches.

Outcroppings of rock occurred constantly throughout the whole township except that portion lying near Mud Lake, Loon Lake and the upper part of Loon Creek where only occasional outcroppings were met with. Economic minerals were not met with except those on the various mining locations shown on the plan, that is, R. L. four hundred and four, J. S. fourteen, J. B. one, two, three, six and seven and a vein discovered by Mr. Longwell southwesterly from J. B. six. These locations have deposits of silver, cobalt, arsenic, bismuth, and lead. Asbestos of a poor quality was found at the southwest corner of lot three, concession six. A vein carrying cobalt was also found on the same lot. Indications of copper were also found near Bay Lake.

The islands met with in the lakes and Montreal River were numbered successively from one upwards. The numbers were marked in Roman numerals on a blazed tree in each case.

Island number one is unfit for either pleasure or agriculture

Island number two, blaze on ten inch spruce at north side of island. Island suitable for pleasure. Area three square chains.

Island number three, blazed on eight inch pine northeast side of island. Area small, unsuited for agriculture or pleasure.

Island number four is merely a bare rock.

Island number five, blaze on twelve inch pine. Area three square chains. Island suitable for pleasure.

Island number six, blaze on seven inch spruce. Island small and swampy, and unsuited for either agriculture or pleasure.

Island number seven, blaze on nine inch spruce. This island contains about two acres and is well suited for pleasure. It is about half covered with small birch, balsam and spruce. The other half is cleared. Area one and one-half acres.

Island number eight, blaze on white birch. Area ten acres. Well suited for agriculture. It is timbered with red pine, cedar, balsam and spruce.

Island number nine, blaze on twelve inch red pine.This island contains about two square chains and is suitable for pleasure.

Island number ten, blaze on fourteen inch red pine. This island contains about two square chains and is suitable for pleasure.

Island number eleven, blaze on white pine. Area small, suitable for pleasure.

Island twelve, blaze on birch, small, suitable for pleasure.

Island thirteen, blaze on ten inch red pine. Suitable for pleasure.

Island fourteen, blaze on twelve inch white pine. Small, not suitable for pleasure.

Island fifteen, blaze on four inch cedar. Almost a point of bare rock.

Island sixteen, blaze on eight inch spruce. Island is rocky, covered with cedar and balsam. Contains one-quarter acre, suitable for pleasure.

Island number seventeen, blaze on ten inch red pine. Island is rocky. Covered with pine, cedar and balsam, suitable for pleasure. Area two square chains.

Island number eighteen, blaze on twelve inch white pine. Island is rocky covered with pine, cedar and balsam. Area two square chains, suitable for pleasure.

Island number nineteen, blaze on twelve inch white pine. Small, suitable for pleasure.

Island number twenty, blaze on six inch cedar, small and rocky, unfit for pleasure or agriculture.

Island twenty-one, blaze on six inch cedar at north end of island. Covered with pine, cedar, balsam and spruce. Well suited for pleasure. Area six square chains.

Island number twenty-two, blaze on eight inch jack pine. Rocky, covered with cedar, balsam, spruce and pine. Area four square chains. Not well suited for pleasure.

Game throughout the township is abundant. Moose, red deer, bears and wolves were common. Partridges were plentiful. The lakes, except Cobalt Lake, abound with fish.

On July sixth there was a frost, which however did no damage to vegetation. No other frost was noted during the survey.

I have the honor to be
Sir,
Your obedient servant,
(Sgd.) W. J. Blair,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No. 56*).

Township of Dewart, District of Rainy River.

Port Arthur, Ontario, January 25th, 1904.

Sir,—I have the honor to submit the following report on the survey of the Township of Dewart, in the District of Rainy River, as sub-divided by me during the season of nineteen hundred and three.

On September twenty-sixth I began to re-survey the north boundary of Sifton, which forms the south boundary of this township, joining the posts placed by Ontario Land Surveyor Dobie, by well blazed lines, making the front width of lots in concession one, in the Township of Dewart, forty chains, leaving all excess in lot twelve, which I found to be fifty chains ten links. I then proceeded to lay out the township in the usual way, planting posts of the most durable wood obtainable and placing stone around the posts wherever available. I also marked and planted the iron posts in their proper places at the angles of the township, with its name and that of the adjoining townships facing the proper direction.

The surface of this township is slightly undulating and toward the northeast corner, the country is quite rough and broken.

The soil is mostly clay and in places sandy with some stone. With the exception of lots five and six, concessions four and five, the northeast quarter of the township contains only small areas of good land in the depressions, principally along Splitrock River, sand and rock exposures being the chief characteristics.

There will be sixty per cent. of the total area good for agricultural purposes.

Fire has destroyed nearly all the valuable timber, but the pine on Timber Berth twenty-five, situated along the east side of the township, and narrow strips of tamarac and spruce on the low ground and the ground is now covered with a thick growth of small poplar, willow, alder, and in places tamarac and spruce. In the northeast quarter there is a dense growth of scrub jack pine on the dry land, willow and alder in the low ground.

The rock formation is granite, in the south and west is rarely exposed but to the northeast the exposures are frequent.

No minerals of economic value were met with.

Large game such as deer, moose and bear seemed to be plentiful, while rabbits and partridge were abundant. Also some beaver and wolves.

No settlers were located in this township.

Accompanying this report is a general plan, timber plan and field notes of the survey.

I have the honor to be,
Sir,
Your obedient servant,
(Sgd.) A. Lougheed,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 57).

Township of Tovell, District of Rainy River.

Port Arthur, Ontario, January 29th, 1904.

Sir,—I have the honor to submit the following report on the survey of the Township of Tovell in the District of Rainy River, as sub-divided by me during the season of nineteen hundred and three, under instructions from your department, dated August first, nineteen hundred and three.

On Aug. nineteenth, I commenced work at the northeast corner of the Township of Sutherland, chaining west along the north boundary thereof, planting posts at every forty chains, leaving all excess in lot twelve which I found to be fifty-nine chains fifty-eight links. I then proceeded to lay out the township in the usual way, planting posts of the most durable wood obtainable, and wherever possible, piling stones around them. I also marked and planted the iron posts in their proper places at the angle of the township with is name and that of the adjoining townships facing the proper direction.

The surface of this township is generally level, with sufficient slope toward the creeks to later afford good drainage. Toward the west on concessions three, four, five and six the ground rises and is quite undulating with rock exposures at the highest points.

The soil is mostly clay of a good quality, containing in places some stone and occasional out-crop of rock. At least seventy-five per cent. of the area will be fit for agricultural purposes.

Several small streams, tributaries of the Little Grassy River, meander through the township giving a reasonable water supply. I also saw a few springs.

The westerly half of the township is thickly timbered with poplar, jack pine, tamarac and spruce, and an occasional white or Norway pine, and also along the streams balm of gilead of large size are to be found. The easterly half has been run over by fire and with the exception of a portion of lot one, concession one, where there is some green pine and cedar, and parts of lots one and two, concessions two and three where there is green tamarac and spruce, no timber of commercial value is to be found. In the swampy parts there has been a thick growth of tamarac, spruce and cedar which now forms an almost impenetrable slash, with small growth of willow and alder. The dry portions are thickly covered by small poplar, willow and alder and some jack pine of not more than fifteen years growth.

The under-lying rock formation is a granite, which has been subjected to very slight lateral pressure, the exposures rising slightly above the alluvial covering and dipping at small angles.

No minerals of economic value were encountered.

Large game such as moose, bear and deer seemed to be plentiful, rabbits, partridge and prairie chicken were abundant.

No settlers had located in this township.

Accompanying this report is a general plan, timber plan, field notes of the survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) A. Lougheed.

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 58).

Township of Britton, District of Rainy River.

Toronto, Ontario, January 25th, 1904.

Sir,—I have the honor to submit the following report on the survey of the Township of Britton, in the District of Rainy River, performed by me under instructions from your department, dated twenty-seventh of June, nineteen hundred and three.

This township is bounded on the south by the township of Wainwright, on the west by the township of Rugby, on the north by the township of Rowell, the sub-division of which is included in the instructions above mentioned, and on the east by unsurveyed lands of the Crown.

I organized the necessary party at Dryden on August fourth, and proceeded on the following day to the north limit of Wainwright. We took in our supplies by wagon as far as the front line of concession five, Wainwright, following the side line between lots six and seven. We then cut out

the remainder of the line between those lots and packed our supplies along it to the north boundary of Wainwright.

Beginning the survey at this point, I re-traced and opened up the north boundary of Wainwright and re-chained it, planting posts at the necessary points thereon.

At the northeast angle of the township of Wainwright I found an iron post, and on its south side a pitch pine post with the marking and bearng tree as described in the instructions. To the marking on the iron post I added the marking Lot 1 on the west side, Con. 1 on the north side, and "Britton" on the northwest side. I also planted a new pitch pine post five inches in diameter on the north side of the iron post and marked it with the lot, concession and township in the same manner as the additions to iron post.

Taking the necessanry astronomical observations at the commencement, as well as at intervals throughout the work,I proceeded to sub-divide the whole township into regular lots of forty chains in breadth and eighty chains in depth, with an area of three hundred and twenty acres each, as nearly as practicable, planting posts of as durable wood as could be obtained at all front angles of lots In addition to the wooden posts I planted iron posts one and seven-eighths inches in diameter and three feet long, as supplied by the department, at the northeast angle of this township and at the intersection of its north boundary with the eastern shore of Pelican Lake. Similar iron posts, but with a diameter of one inch, were planted at the following lot corners, namely, the northeast angles of lots one and seven respectively in concession three, the northeast angle of lot seven in concession six, and the southeast angle of lot seven in concession one.

All these iron posts were marked in a manner similar to the wooden posts, and I further added the required marks to the iron post found at the intersection of the west boundary of the township of Britton with the southern shore of Pelican Lake, as well as to that at the southwest angle of the township.

I did not re-chain the west boundary but calculated the depths of the concessions thereon from the copy of Ontario Land Surveyor Macdougall's notes furnished me and my closings upon the posts found.

All the concession lines and alternate side lines were run by the transit and well opened out and blazed.

General Features.

The southern half of this township is comparatively level and covered with scrub and second growth jack pine, while the northern half is chiefly broken and hilly, particularly in the vicinity of the larger lakes, and timbered with spruce, poplar and balsam.

Soil.

About two-thirds of the total area is good clay soil, the remainder being outcroppings of granite in concessions four, five and six, with fertile valleys between.

Timber.

There is no considerable quantity of merchantable timber,, as brule, about fifteen years standing covers the greater part of the township. More recent fires, probably about seven or eight years ago, have over-run the western and northern parts. In the western half of concessoin one and extending into the lower part of concession two, a block of second growth

jack pine, poplar, spruce and balsam comprises timber from four to ten inches in diameter, a fair proportion of which would serve for ties and cord-wood. Another block similar in character, but with timber of somewhat larger growth, occupies about half of the northeast quarter of the township.

Water.

Gull River, a stream about fifty links in width and three feet in depth, with clay banks from six to ten feet high, forms a waterway through the southeast quarter of the township, and flowing southwesterly carries the waters of Gull Lake to the Wabigoon River. Its average current is three miles an hour, but the channel is so choked with fallen timber resulting from forest fires, that navigation above the north boundary of the township of Wainwright is at present impossible. No fall of any noticeable height occurs on this stream within the limits of my survey.

Pelican River, which forms the outlet of Pelican Lake, leaves the lake at the north boundary of lot twelve in concession two, and flows southwesterly through that lot, emptying into Wabigoon River in the township of Eton. Its width is from one and one-half to two chains, and depth about three feet. Sloping banks about twenty feet in height define the channel. An almost clear fall of nineteen feet occurs immediately at the outlet of Pelican Lake. From measurements and levels taken by me I estimate approximately the available horsepower at four hundred and fifty-two in its natural state. The high confining banks render this power capable of easy development. In the accompanying traverse notes I have set off an area of ten acres as a suggested reservation for the development and working of the power.

Wickens Lake, which is situate in the western parts of concessions four, five and six, is an irregular shaped body of water with low-lying shores on the north, south and southwest, but high rocky hills on the northwest and northeast, reaching a maximum altitude of about two hundred feet. Cook Lake, on lots five and six, in concessions five and six, has low-lying shores to the north, south and east, but is flanked by a high ridge on the west. Marshy Lake, which is almost bisected by the west boundary of lot twelve in concession five, is surrounded by low, marshy shores, hence its name. The water in all three of these lakes is tinged by the clay soil.

In addition to the streams and lakes above mentioned, the township is well watered by numerous small streams of fresh water, the whole being tributary to the Wabigoon River..

Minerals.

No indications of valuable minerals were seen and the magnetic variation, which was frequently noted, was found to be uniform throughout at about seven degrees and fifteen minutes east.

Game.

Moose, bear and caribou were numerous, particularly the former, and occasionally red deer, mink and fresh signs of the operations of beaver were seen. Pike and some of the smaller varieties of fish were plentiful in Wickens Lake.

No attempt at settlement has yet been made in this township, but the rich agricultural soil in the southern part and valleys of the northern part, together with the comparative proximity of the Canadian Pacific Railway

and the rapidly increasing demand for farm lands near Dryden render an early influx of population more than probable.

Accompanying this report are a general plan, a timber plan and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) A. T. Ward,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 59.)

Township of Rowell, District of Rainy River.

Toronto, Ont., 24th December, 1904.

Sir,— I have the honor to submit the following report on the survey of the township of Rowell, in the District of Rainy River, executed by me under instructions from your Department bearing date he twenty-seventh day of June, nineteen hundred and three.

This township is bounded on the south by the township of Britton, the survey of which formed a part of the instructions above referred to, and on the north, east and west by the unsurveyed lands of the Crown.

Having completed the survey of the township of Britton, as previously reported, about the end of September, nineteen hundred and three, I proceeded with the survey of the township of Rowell by continuing the lines from the south through the first concession in the latter township. The fronts of concessions two, three and four were then run due east from the west boundary, which had been previously surveyed by Ontario Land Surveyor Niven, and the alternate side lines of lots were turned off from the concession lines.

By the twenty-fourth of October, when about half of the township of Rowell had been surveyed, the setting in of winter closed the waterways and I was obliged to defer the completion of the work until the following summer.

I returned to the district on the seventh of August, nineteen hundred and four, and resumed the survey by taking an astronomical observation at the southeast angle of the township, and then ran the east boundary due north to close on the north boundary, which is formed by a base line run in eighteen ninety-seven by Ontario Land Surveyor Niven.

The subdivision of the whole township into lots of forty chains by eighty chains, with an area of three hundred and twenty acres each, as nearly as practicable, was effected by lines run from the various lines above described.

Concession six has, however, a surplus in depth of from sixteen to seventeen chains, as was to be expected from the notes of the west boundary furnished me.

Wooden posts of as durable material as could be procured were planted at all front angles of lots, and were marked for the various lots and concessions which they were intended to define. In addition to the wooden posts, iron tubes supplied by the Department were planted at the following cor-

ners, namely, at the intersection of the front line of concession four with the east and west boundaries of the township and at the intersection of the line between lots six and seven with the north and south boundaries. These also were properly marked.

At the southeast angle of the township and at the intersection of the south boundary with the eastern shore of Pelican Lake, I added the name "Rowell" with its concession and lots to the wooden and iron posts there found, and at the northwest angle I planted a new iron post with the name "Rowell," also lot 12, con. 1, marked thereon, the old post planted by Ontario Land Surveyor Niven not having sufficient blank space available for the required marking. For the northeast angle of the township I planted both wooden and iron posts, marking each with the names of the township, concession and lot.

Bearing trees, wherever available, were marked and noted.

General Features.

The township of Rowell, as a whole, is rugged, broken and rocky, not more than five per cent. being available for agricultural purposes.

The Wabigoon River, by means of Pelican Lake and Pelican River, drains the section of wh'ch this township forms part.

Access from the Canadian Pacific Railway is at present to be had by two or three different routes. The shortest route is by a wagon road running north from Oxdrift Station about three and a half miles to the Wabigoon River, and thence by canoes through that and Pelican River and Pelican Lake. Another route is by canoes from Dryden Station down the Wabigoon River and thence by Pelican River and Lake. Both the river routes mentioned have the disadvantage of a number of portages, and it is probable that in the future the present wagon road running from Dryden to a point in concession five in the township of Wainwright will be extended to and through the township of Britton, thus connecting Rowell by a direct route.

Indians when travelling "light" sometimes use Wabigoon and Pelican Rivers as a short cut to Lac Seul from western points, and a trail which I opened out between Pelican and Good Lakes will improve the travelling.

Timber.

About two-thirds of the whole township is well timbered with banksian pine, spruce and tamarac, with occasional small areas of large birch and poplar.

Much of the timber will produce ties, pulpwood, fuel and some lumber of fair quality.

Recent brulé covers the western ends of concession one and the south half of concession two, and extends eastward in diminishing breadth to lot five.

Brulé of about thirty-five years age covers a similar stretch in concession three and four.

Soil.

As mentioned above, the greater part of this township is rocky, bluffs rising in places from one hundred to two hundred feet. In the bottoms of intervening valleys small areas of clay and occasional patches of sandy soil were seen, but generally of too small extent to be of service for farming.

Minerals.

The formation being wholly granite, no indications of economic minerals were found.

Water.

About the western half of Good Lake lies within this township and extends from the east boundary across lots one, two, three, four and five in concessions two, three and four. A creek about fifty links in width runs southwesterly in a very devious course emptying the waters of Good Lake into Pelican Lake. Sunday Lake, McDonald Lake, Narrow Lake and Twin Lakes are the only other bodies of water of any note. No water powers were met with. Three small islands in Good Lake were traversed, but they are all small and of little importance.

Game.

Moose, caribou and bear are found in considerable numbers. Beaver seem to have been very numerous in the past, but are now scarce.

Other fur bearing animals, such as mink, martin, lynx, foxes, etc., are plentiful. A few wolves still exist in this section.

Pike and pickerel are plentiful in the lakes mentioned.

There are no evidences of settlement in the township.

Accompanying this report are a general plan, a timber plan and field notes of the entire survey.

I have the honor to be,
Sir,
Your obedient servant,
(Sgd.) A. T. Ward,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 60.)

Township of Hartman, District of Rainy River.

Toronto, Ontario, December 16th, 1904.

Sir.—I have the honor to submit the following report on the survey of the township of Hartman, in the District of Rainy River, performed by me under instructions from your Department dated nineteenth September, nineteen hundred and three.

This township is bounded on the west by the township of Zealand, on the south by the township of Southworth, and on the north and east by the unsurveyed lands of the Crown. The nearest railway station is Dinorwic, on the Canadian Pacific Railway, and it is about one and a half miles south of lot eight in concession one.

Having been obliged, by the freezing of the waterways, to leave unfinished the survey of the township of Rowell, upon which I was engaged on the receipt of the above instructions, I proceeded with my party to Din-

orwic and thence by wagon road to the township of Hartman on the seventh of November, nineteen hundred and three.

The survey was begun at the northeast angle of the township of Southworth, where I found an iron post marked "Southworth" on the southwest side standing beside a pitch pine post marked "Con. VI." on the south side, "Lot I" on the west side. To the iron post I added the word "Hartman" on the northwest side, and at the north side of the same I planted a new pitch pine post marked "Hartman" on the northwest side, "Con. I." on the north side, and "Lot 1" on the west side, and took an observation of Polaris for the purpose of running the east boundary of the township of Hartman.

I then reopened and rechained the north boundary of the township of Southworth, planting wooden posts properly marked at the angles of all lots in concession one of the township of Hartman, except where mining locations occurred. In these cases the posts were planted on the boundaries of the locations as directed.

Returning to the southeast angle of the latter township I ran the east boundary north astronomically, planting marked wooden posts for the fronts of the several concessions except in the case of concession six, the front of which intersected the east boundary in Big Sandy Lake. The position of this corner was defined by a post planted on the southern shore of the lake and the distance from the true corner shown in the notes. An iron post one and seven-eighth inches was planted by me at the northeast angle of the township with its name facing the southwest.

I then proceeded to subdivide the township into regular lots of forty chains in breadth by eighty chains in depth with an area of three hundred and twenty acres each as nearly as practicable, by running all concession lines due west from the points so fixed, and the alternate side lines of lots due north.

By the time I had completed the eastern half of the township, including all the necessary traversing, the great depth of snow, unusual at that time of he year, made our progress so slow that I was compelled to abandon the work for the season on the fifteenth of December.

I returned to the district in August, nineteen hundred and four, and having completed the survey of the township of Rowell recommenced the subdivision of the township of Hartman on seventh September.

The system outlined above was continued and the work, including the north boundary of the township, completed early in October.

All lines were run by the transit, well opened out and blazed, and checked by astronomical observations as frequently as required. Posts of as durable wood as could be procured were planted at the front angles of all lots and properly marked for the angles which they defined. In addition, iron posts with proper markings, were planted as follows, namely:— at the intersection of the front of concession four with the east boundaries of the townships of Zealand and Hartman, respectively, and at the intersections of the line between lots six and seven with the north boundaries of the townships of Southworth and Hartman, respectively. I also added the word "Hartman" to the iron posts found at the southeast and northeast corners of the township of Zealand and planted new wooden posts beside them with the necessary marks for the concessions and lots in the township of Hartman.

In running the front line of concession two west and the side lines south therefrom it was discovered that the north boundary of the township of Southworth did not run due west and as a consequence there is a considerable deficiency in the depth of the west part of concession one. The

north boundary of the township of Hartman being run due east from the northeast corner of the township of Zealand, a surplus in the depth of concession six is the result.

The instructions required that the position of wagon road and railway survey lines should be noted and this was done. There are, however, three railway survey lines and as I had no means of determining which, if any, is the one for final location, they are all noted in the returns.

As directed by the instructions I did not chain the west boundary of the township but noted any differences between the closings of my concession lines thereon and the posts planted in the survey of the township of Zealand, the areas of lots affected thereby being calculated from the depths of concessions shown in the field notes of the township of Zealand.

General Features.

The southern and western parts of the township of Hartman are fairly level, with spruce and tamarac muskegs of considerable extent occurring at intervals. In the central part short, rocky ridges rise to a height of sixty to eighty feet. The remainder of the township may be termed rolling.

A water shed crosses the township diagonally to the south of Little Sandy Lake and divides the streams which empty into Wabigoon Lake from those flowing into Lake Minnetakia and thence into Lac Seul.

Soil.

About sixty per cent. of the whole area is very fair farming land. Clay and clay loam cover nearly the whole of concessions one, two and three, the central parts of concessions four and five and the central and eastern parts of concession six. The western ends of concessions four, five and six are principally sand and sandy loam, with the exception of an open, wet muskeg about one and a half square miles in area on the western end of concession six. To the east of Little Sandy Lake in concessions three and four the soil is sandy and generally covered with boulders, rendering it unavailable for agricultural purposes.

Timber.

The eastern one-third of concessions one to five has been burned over in comparatively recent years and the present growth is still in the underbrush stage. In the other two-thirds, with the exception of concession six and the greater part of concession five, the timber is of about thirty years growth and of little value except for fuel. It comprises banksian pine, spruce, tamarac, birch, poplar and balsam. Ties have been taken from the muskegs, so that nothing of any value but spruce now remains. This would furnish a fair amount of pulpwood if pulp works were established in the vicinity. In concession six and the greater part of five the same varieties and in about the above order of importance are found. It is, however, of older growth, and many of the trees reach a diameter of fourteen inches, so that a fair quantity of lumber for local use may be obtained.

Not more than a dozen white or red pine trees were seen in the whole township.

Minerals.

Outcroppings of rock occur at intervals throughout the whole township, those in the southern half being principally trap and schist. In addition to the six mining locations referred to in the instructions four others were found in the township.

Outside of the mining locations mentioned, no indications of mineralized rock were seen further than an occasional piece of float quartz. In the

northern half the outcropping rocks were chiefly granite and no indications of economic minerals were seen.

Water.

Little Sandy Lake near the centre of the eastern half of the township occupies about one and a half square miles, and a portion of Big Sandy Lake projects into lots one and two in concesions five and six. These lakes have generally high banks, in some places rocky, and contain good water.

Numerous small creeks take their rise and flow through the township, providing a supply of excellent water. Jack Fish Creek, about half a chain in width and with a depth of about three feet, crosses lots one, two and three in concesion six and empties the waters of Jack Fish Lake into Big Sandy Lake.

Game.

Moose, bear, caribou and a few red deer are found in this section, and fur bearing animals such as the lynx, fox, mink and muskrat are present though not numerous. Partridge and rabbits were seen in large numbers. The lakes mentioned contain pike, pickerel and trout.

In concluslon I would say that this township is well suited for early settlement. It has a good percentage of desirable farm land, is easy of access from the Canadian Pacific Railway, having already a wagon road from Dinorwic Station and a winter road from Wabigoon. The route between Dinorwic and Lac Seul passes through it by way of Litle Sandy Lake and Big Sandy Lake.

No settlers have as yet taken possession within its limits, which fact is doubtless due to the lack of survey, but the township of Zealand to the west of Hartman has already a fair number of homesteads.

Accompanying this report are a general plan, a timber plan and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd) A. T. Ward.

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 61.)

Township of Revell, District of Rainy River.

Rat Portage, Ontario, July 12th, 1904.

Sir,—Under instructions dated July twentieth A.D. nineteen hundred and three, authorizing me to survey the Township of Revell, and instructions issued May twenty-first, A.D. ninteen hundred and four, to finish the work and change the posts, I have surveyed the township and changed the posts.

I found the posts planted by Ontario Land Surveyor Niven, iron and wood, at the southeast and southwest corners and at the southwest corner of lot six and and northeast corner of lot one, and wooden posts at the other corners on the south boundary.

On the south boundary the land is sandy, with rock and wet swamps after the first mile. No valuable timber along this line.

On the east boundary I found sand, swamp and rock and some clay land on the last mile running into the swamp a few chains to the west. I found no trace of posts or lines of mining locations V thirty-seven or V eighty-two, everything having been burnt some years ago. I ran tie line form the northeast corner of How Truss Bridge to northwest corner of mining location thirty-seven V, ran west to intersection with east boundary of Revell, putting a post in at southeast corner of mining location V eighty-two on the way and a post at the intersection of the north boundary of mining location V thirty-seven with the east boundary of Revell. I then measured south forty chains and put in a post at the intersection of the south boundary of mining location V thirty-seven with the east boundary of Revell.

I found no timber except small scrub on this line.

The rock on this line is gray granite, marked specimen number one, for about two and three-fourth miles, where it changes to a dark close grained rock, marked specimen number two, and at three and a half miles occurs another change to grey schist alternating with green schist marked respectively specimens numbers three and four. It is impossible to tell exactly where these changes occur for they seem to gradually merge, there being bands of both kinds of rock at the contact.

On the north boundary wet level muskeg, all through, except the last mile across eleven and twelve which is clay. The little lake at the northwest corner of number four has wet swamp all round it.

On line between concessions one and two, timber mostly scrub, some timber on lots seven and eight fit for firewood, clay soil on eleven and twelve clay and sand on lots numbers eight, nine and ten.

On line between concessions two and three, timber fit for cordwood on lots six, seven and eight, the remainder being scrub, clay and sand alternate on lots six and seven. .....

On line between concessions three and four, good spruce scattered in a narrow belt extending from the east boundary about one mile west, the balance runs through scrub. This line crosses the river several times.

Between concessions four and five some very wet boggy muskeg, no timber, no agricultural land.

Between concessions five and six level land, the eastern part being wet muskeg, and the western sandy plains with small jack pine.

I found a great deal of swampy land in the township, the portion through which the railway runs is sandy but level and should be productive with proper cultivation. The northern part is mostly muskeg, which probably would make good land if drained. The southwest part is easily cleared and will make good stock or dairy farms.

I took observations whenever the weather permitted which did not happen as often as I wished owing to the continued cloudy and sometimes wet weather.

Moose and caribou are very plentiful, and indications of their presence is everywhere apparent, also bears, beaver, partridges, and along the railway prairie chickens.

I have the honor to be,
Sir,
Your obedient servant,
(Sgd.) Edmund Seager,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 62).

TOWNSHIP OF DANCE, DISTRICT OF RAINY RIVER.

Fort Frances, Ontario, November 6th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Dance, in the District of Rainy River, performed under instructions from your Department dated the thirteenth day of June A.D. nineteen hundred and four.

The township is bounded on the south by the township of Burriss, on the west by the township of Kingsford, on the north by line run in eighteen hundred and ninety-two by Ontario Land Surveyor Alexander Niven, and on the east by unsurveyed lands.

I commenced work on the fifteenth day of August, entering the township by way of Rainy Lake, proceeding up Wasaw Creek to Wasaw Lake, a portion of which lies within the township. Having cleared out and re-run the north boundary of the township of Burriss, I commenced work at the iron post planted by Ontario Land Surveyor Alexander Niven, and marking the northeast angle of the township of Burriss, and northwest angle of the township of Miscampbell. Having taken an observation of Polaris at elongation, I ran due north astronomically for the east boundary, and ran the several concession lines west astronomically as directed. The side lines were laid out north astronomically and all posts, wooden and iron, were marked and planted as directed, stone mounds being erected where possible and bearing trees marked where practicable.

The position of the iron posts planted is as follows:—

At the southeast, southwest and northwest angles of the township.

At the intersection of the north boundary with the water's edge of Rainy Lake.

At the intersection of the east boundary with the water's edge of Rainy Lake.

At the intersection of the line between lots six and seven with the south boundary, the front of the fourth concession and the north boundary.

Also at the intersection of the front of the fourth concession with the east boundary and with the west boundary.

The posts at the several angles of the township have the name of the township facing the township and the names of the other townships adjoining in a corresponding position.

Throughout the whole township, with the exception of the southeast corner, there is good land fit for agricultural purposes, that in the southwest corner being particularly good. Wasaw Creek drains the south portion of the township. Lost Creek drains the central portion, and the other unnamed creeks drain the northern portion.

The large muskeg at the southeast corner could very easily be drained by improving Wasaw Creek at the first rapids below Wasaw Lake. Portions of the northerly part of the township are broken by rock, but there are few lots not of value for settlement, there being first-class land between the ridges and along all the creeks.

Fires have run over nearly all the townships but little pine timber seems to have been destroyed as there are old logging works in every direction, and all the timber has been removed with the exception of that on Timber Berth G 6 where work is at present in progress.

No minerals of economic value were observed. The magnetic needle varied from eight degrees east to nine degrees thirty minutes east, there being no local attraction except on lot one, concession two, where the variation was from twenty degrees west to fifteen degrees east, apparently from magnetic pyrites.

Accompanying the report are plan, field notes, etc., etc., and rock samples from various parts of the township.

I have the honor to be,
Sir,
Your obedient servant.

(Sgd.) D. J. Gillon,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 63).

Township of Fleming, District of Rainy River.

Fort Frances, Ontario, November 14th, 1904.

Sir,—I have the honor to submit the following report on the survey of the first three concessions of the township of Fleming, in the District of Rainy River, performed under instructions from your department, dated the thirtieth day of June, anno Domini, nineteen hundred and four.

The township is bounded on the west by the township of Potts, on the south by the townships of Kingsford and Dance, and on the north by Indian Reserve seventeen B and unsurveyed lands, while the east boundary of the third concession ends in Lake Despair.

I moved into this township from the township of Dance, the survey of which I had just completed, and having cleared out and re-run the north boundary of the township of Kingsford. I chained east six miles from an iron post marking the southeast angle of the township of Potts, and thereafter surveyed the concession and side lines east and west astronomically and north and south astronomically as directed, planting posts, properly marked with bearing trees where any tree was available. Iron posts marked with cold chisel were also planted where directed, with the township name thereon, also an iron post was planted on the south boundary of Indian Reserve seventeen B, at its intersection, with the side line between lots six and seven. The north boundary of concession three was run east astronomically from the iron post marking the southeast angle of concession four in the township of Potts.

Nearly all the three concessions are very broken, rocky and hilly, and not well adapted for agriculture. There are a few good lots at the west end of the concession, also a strip between two high ridges on concession two. Practically the whole of the three concessions have been burnt over, and the land is covered with a very dense growth of small jack pine, poplar and brush, line cutting being very slow and there is no timber of value left on the land, everything which has escaped the fires having been cut.

Little game of any kind was seen, but all the muskegs are connected by well beaten moose trails, although I did not observe any fresh tracks.

No indication of any mineral was found; the magnetic needle holding a steady variation of eight degrees, forty minutes east throughout the townships.

I had considerable trouble in establishing the lines of Indian Reserve seventeen B which were run in the year eighteen hundred and seventy-eight, and I had to send to the Northwest Bay Reserve and get one of the councillors to come up and show me where the line originally was. The only places he could show me were north of the Bremner Creek, and north of Manomin Lake. I re-ran the line south from Bremner Creek, and was then able to follow old indications.

Accompanying this report are plan, field notes, timber plan and a few specimens of rock.

I have the honor to be,
Sir,
Your obedient servant,

(Sgd.) D. J. Gillon,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No.* 64.)

Township of Pearson, District of Thunder Bay.

Port Arthur, Ontario, November 23rd, 1904.

Sir,—I have the honor to report that I have surveyed the township of Pearson, in the District of Thunder Bay, under your instructions dated June fifteenth, A.D. nineteen hundred and four.

I commenced at the southeast corner of the township of Scoble, from this I retraced the west boundary of Blake to the southwest corner, being the southeast corner of Pearson. This corner I was unable to find owing to the original timber having been destroyed by fire. From this point I searched towards the east and found some old cuttings in some low land, the line of these I produced west and found that it practically agreed with the distance I had chained from the southeast corner of Scoble. As I could find no trace of the north boundary of Crooks I observed on the elongation of Polaris, Azimuth one degree forty-nine minutes, and ran line west closely watching for traces of old lines, without success until I had run about two miles, when some old cuttings were found. To make sure that these were correct the line was continued a mile further where a few more cuttings were found on the opposite side of the line from those first found. I still continued the line and at four miles found an old blaze and some cuttings close to my line, one mile further on a side hill I found about three chains of a line of old blazes running north, these stopped close to my line. As the line I ran followed these old marks so closely I considered I was as close to the original boundary of Crooks and Pardee as could be got. When this line was continued no more old marks were found, although a close search was made on both sides, the country being all burnt over and covered by second growth poplar, jack pine and thick scrub. I then planted an iron post one and seven-eighths inches in diameter beside a wooden one at the intersection of this line with the west boundary of Blake to mark the southeast corner of Pearson, the iron post was marked Pearson on northwest, Blake on northeast, Con. I North, Lot 1 west. I then rechained north to the southeast corner of Scoble, planting posts each eighty chains apart. I found no old posts on this line, but found lines from the east which corresponded with the northeast corners of lots one, concessions one and four. An iron post one

and one-quarter inches in diameter was planted at the northeast corner of lot one, concession two, marked Con. II. south, Con. III. north, Lot 1 west, also an iron post one and seven-eighth inches in diameter was planted alongside of wood post marking the northeast corner of Pearson and southeast corner of Scoble, marked Pearson on southwest, Scoble on northwest, lot 1 west, con. V. south. I then continued the south boundary of Pearson west twelve miles, planting posts each forty chains apart; iron posts one and one-quarter inches in diameter were planted between lots six-seven, twelve-thirteen, eighteen-nineteen; and one, one and seven-eighth inches in diameter at southwest corner of township. This was marked Pearson northeast, lot 24 east, Con. 1 north. The various concession and side lines were run and posted as single front concessions. Iron posts one and one-quarter inches in diameter in addition to those mentioned were planted between lots twelve-thirteen, concession three, and six-seven, twelve-thirteen, eighteen- nineteen on north boundary, also on west boundary in front of concession three, one and seven-eighth inches in diameter at northwest corner of township, marked Pearson southeast, Con. V south, lot 24 east.

The south boundaries of Scoble and Gillies were found without much trouble and reopened, in all except one place. The division lines in these townships were found and noted. The timber has been almost completely destroyed by fire. The principal exceptions to this are three spruce and cedar swamps, one covering lots five, six, seven, concessions one, two and part of three, one covering parts of lots ten, eleven, concessions one, two, three, also one covering parts of lots fifteen, sixteen, seventeen, eighteen, concessions two, three, four. The rest of the township is mostly covered by a thick growth of small poplar, jack pine, birch and scrub.

In general the township is well watered, a branch of Slate River in the north, and several branches of Pine River run through the centre and west. The latter is a sluggish stream averaging forty feet wide. There are no lakes. There are numerous steep trap bluffs, ranging from one hundred to six hundred feet high. In the valleys between these the land is in general level rich white clay similar to that in the township of Gillies. The exception to this is the first concession which, particularly to the south, is very rough and rocky and useless. Lots one and two on the east boundary and a few lots in the northwest corner are also rocky. Of the rest of the township about forty per cent. is good agricultural land. I have not specified any particular lots, as with the above exceptions all the rest have more or less good land.

Roads can be easily made to all good lots to join the Government road from the Canadian Northern Railway six miles north.

Three settlers have improvements on lots twelve, thirteen, fourteen, sixteen concession five.

A number of parties were looking over the lands while the survey was going on and expressed themselves as being well pleased. I expect all the good land will be taken as soon as the township is open for settlement.

Numerous observations on Polaris were taken : Azimuth one degree forty-nine minutes, latitude forty-eight degrees thirty minutes north.

I have the honor to be,
Sir,
Your obedient servant,
(Sgd.) A. H. Macdougall,
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

Algonquin National Park.

(*Appendix No.* 65.)

Algonquin Park P. O., December 31st, 1904.

To the Honorable the Commissioner of Crown Lands, Toronto, Ont.

Honorable Sir,—I beg to hand you my yearly report on the Algonquin National Park of Ontario for 1904.

We have had the usual staff, comprised of superintendent, chief ranger and nine rangers. During the trapping seasons, the whole staff are constantly employed travelling the park, and I am glad to report that their work has been very successful. Very little trapping has been reported during the past year. During the summer months when no trapping is done, the staff are employed making canoes, cutting out portages, building shelter houses and improving at headquarters. This year in addition to cutting out many portages, three fine shelter houses have been built; one on Burnt Lake, one on Rainy Lake, and one on Long Lake. These are good substantial buildings, well finished throughout. Several shelter houses have been repaired, a good frame stable has been erected at headquarters and four bark canoes have been made. For a short time during winter, the men are employed at headquarters, cutting wood, making sleds and snowshoes, etc. Fur-bearing animals of all kinds are largely on the increase, especially the beaver, which are to be found in great numbers everywhere. From a great many places last winter reports came of the loss among the deer. I am glad to report that in the Algonquin Park they wintered splendidly, and the whole park is simply alive with them.

You will be pleased to know that the capercailzie introduced last year, have been seen in several places. They evidently made direct for the heavy pine sections. Several of them were seen at different times during the summer by parties in different sections of the park. Two of the rangers report seeing a mother with a very fine lot of chickens. They were enabled to examine them closely, seeing them on two different ocasions.

We have had a great number of visitors to the park from all over the United States and Canada, and a few from the Old Country, all of whom, without a single exception, expressed themselves as delighted with the park, and the fishing, but above all, the wonderful tameness of the deer and other game.

I am constantly in receipt of letters from all over the country, expressing delight with the trips taken through the park, and consider it a pity that the people of Ontario do not know more about it and the regulations governing it. So many say to me, "I wish I had known years ago that it was open to the public for canoe outing, and that fishing with hook and line was permitted." There could be no finer holiday, and certainly none more health giving, than a three weeks' canoe trip through our splendid lakes.

Wolves, I am sorry to say, are still numerous, notwithstanding the fact that a very great number were killed by our men last year. We make every effort to destroy them.

Of the fishing here, I need scarcely say anything, so many have written on the subject in the different sporting papers of Canada and the United States. I do not think our trout fishing can be equalled anywhere in America.

Before closing my report, I wish to say that during the past year we have found all the limit holders most anxious to assist us in the enforcement of the law. This is a very great help to the staff, and I feel that generally throughout the country there is a feeling that the park is accomplishing, and will accomplish the purpose for which it was set apart.

An addition of half a township deep along the east boundary has been made. This will be a great help in every way, completing several important water routes, and taking in a large area of rough country, fit only for a game preserve.

I have the honor to be, Sir,
Your obedient servant,
(Sgd.) G. W. Bartlett,
Superintendent.

(*Appendix No.* 66.)

Rondeau Provincial Park.

Morpeth P.O., Jan. 2, 1905.

To the Honourable the Commissioner of Crown Lands, Toronto:

Sir,—I have the honor to submit this my report as caretaker and ranger of the Rondeau Provincial Park, for the year 1904:

Since sending in my last report, the dock has suffered great damage from the ice-jam. On April 2nd, 1904, there was a severe storm, breaking up the ice on the Eau, which drifted in large sheets with the wind and was driven against the dock — 565 feet in length — and carried 65 feet of the outer end several rods from where it stood, altogether damaging 265 feet beyond repair. After reporting the damage to the department, I received instructions to have the wrecked portion of the dock cleared away. I engaged Bates Bros. to come with their heavy scow and stake puller to clear away the planking and timbers, and pull the spiles that remained in the ground. They did this, and piled the planks, broken pieces of timber and spiles, which were nearly all broken, out on dry ground, and saved nearly all the bolts that were not broken. The way is now clear for rebuilding the 265 feet that was destroyed. The 300 feet next the shore, which was left standing, will require some repairs, but that work will not be expensive. When the outer end is rebuilt, there should be sufficient stone cribbing to resist the ice pressure. Ordinary spiles will not stand it. Steps towards rebuilding the dock should be taken as soon as possible to give the contractors the opportunity to get the timber required, and have it delivered on the ground during winter.

The public still speak very highly of the new road, and think it should be continued through to the other end of the bush. If it were, the ranger would be in a much better position to guard the interests of the park.

The great necessity of a public house is becoming more apparent each year, where people could get good accommodation if they wished to come to the park for a few holidays, or a month's outing. Such a house could be leased to first-class men at a high interest on the investment. If a first-class house were built we would not have to wait long for an electric road to the park.

I hope the Government may see their way clear to taking out the large, crooked and unsightly trees that mar the general appearance of the forest here. It would give the smaller trees a chance to grow up straight and better proportioned. The undergrowth in some places is becoming so dense that it is very difficult to get through it. A proper thinning out of the old trees would be a benefit to the bush and the proceeds from the sale of same could be used to beautify the picnic grounds and give the park a much better general appearance.

We have a fine herd of eleven red deer, nine does and two bucks, in the enclosure, and about thirty running wild in the park bush. The pheasants and game birds are doing about as usual.

Judging by the number of visitors attending the park, it is becoming more popular each year. At the present time there are more enquiries for lots to lease for summer cottages, than at any previous date.

The building of the new road, and installing of two powerful gasoline lamps in the pavilion have done much to increase the interest that is now taken in the park.

I have the honor to be, Sir,

Your obedient servant,

ISAAC GARDINER,
Caretaker and Ranger.

(*Appendix No. 67.*)

List of persons holding Cullers' Licenses issued under the Ontario Cullers Act up to 31st December, 1904.

Name.	P. O Address.
Anderson, M. M.	Almonte.
Allan, James D.	Bracebridge.
Appleton, Erwin B.	Bracebridge.
Albert, Andrew	Ottawa.
Adams, J. Q.	Longford Mills.
Anderson, Patrick J.	Campbellford.
Anderson, J. C.	Gravenhurst.
Allan, Alfred	Ottawa.
Allen, R. A.	Bannockburn.
Aikens, Geo. M.	French River.
Appleby, Ridley	Katrine.
Adams, James M.	Sault Ste. Marie.
Aylward James	Peterborough
Archibald, John L.	Keewatin.
Austin, Wm. G.	Renfrew.
Anderson, Charles	Little Current.
Anderson, John	Cartier.
Adair, Thomas Albert	Gananoque.
Anderson, J. G.	Alpena, Mich.
Alexander, Samuel	Arden.
Adams, Wm.	Westmeath.
Arkle, George	Rat Portage.
Armstrong, James Theodore	McKellar.
Armstrong, Thos. J.	Arnprior.
Acheson, Ira M.	Westmeath.
Albert, Alfred E.	Ottawa.
Alma, John E.	Hawkesbury.
Adams, George A.	Longford.
Brophy, Michael Patrick	Massey Station.
Boland, Abraham	Cartier.
Brown, Singleton	Bracebridge.
Barry, Thomas James	Hastings.
Blanchet, Paul Frederick	Ottawa.
Bird, W. S.	Parry Sound.
Bayley, James T.	Gravenhurst.
Bell, Henry	Ottawa.
Beach, Herbert Mahlom	Ottawa.
Barry, Thomas	Millbridge.
Beatty, W. R.	Parry Sound.
Brooks, Frederick William	Mackay's Station.
Brown, Robert D.	Port Sidney.
Breed, Arthur G.	Penetanguishene.
Barnes, Thomas George Lee	Muskoka Mills.
Buchanan, Robert	Coldwater.
Beck, Jacob Frederick	Pentanguishene.
Bird, Joseph Manly	Muskoka Mills.
Boyd, John F.	Thessalon
Brandon, Martin W.	Peterborough.
Bell John C.	Peterborough.
Bartlett, George W.	Warren.
Brown, Silas	Klock's Mills.
Boland, W. G.	Eganville.
Baulke, George R.	Aylmer, Que.
Bromley, Thomas	Pembroke.
Bremner, John L.	Admaston.
Bromley, W. H.	Pembroke.
Bowers, Isaac	Little Current.
Brown, Thomas	Barrie.
Bass, Walter R.	W. Huntingdon.
Bates, Robert	Rat Portage.
Binnie, Thomas	Port Arthur.
Blair, William	Keewatin.
Bick, Thomas	Bobcaygeon.
Burke, John Thomas	Midland.
Buchan, Sterling	L'Orignal.
Brown, Joseph A.	Spanish.
Baird, P. C.	Rainy River.
Brill, J. W.	Mine Centre.
Beattie, Arthur W.	Arnprior.
Brock, H. S.	Ottawa.
Benson, John Bird	Midland.
Brennan, Richard Lawrence	Peterborough.
Brown, Hugh Risside	Huntsville.
Bryan, Frank	Keewatin
Bennett, Edward Clinton	Ahmic Harbour.
Blaine, Harvie Thomas	Orillia.
Borrett, Thomas	Barrie.
Bickell, James Manuel	Sault. Ste. Marie.
Buisson, William	Sudbury.
Borrett, James A.	Sault Ste. Marie.
Bliss, C. Liddon	Sudbury.
Bray, James	Kinmount.
Bremner, Geo.	Arnprior.
Bromley, Samuel	Pembroke.
Brown, A. C.	Fitzroy Harbor.
Berlinquet, Julius	Opimicon, Que.
Blastorah, Fred. L.	Harwood.
Burns, Clifton H.	Little Current.
Beaumont, Ernest	Parry Sound.
Beattie, Alex.	Whitney.
Brennan, Reginald	Gravenhurst.
Boyd, Geo	Gravenhurst.
Bissell, George Thomas	Trenton.
Baxter, Richard	Deseronto.
Breeaugh, Edward	Deseronto.
Boyd, George A.	Thessalon.
Buchan, Frederick	Arnprior.
Barret, Patrick	Arnprior.
Brundage, Alfred W.	Pembroke
Brougham, Thomas	Eganville .
Blair, Robert I.	Arnprior.
Benson, John W.	Sturgeon Bay.
Beck, Charles M. Jr.,	Penetanguishene.
Beatty, W. J.	Coldwater.
Burns, C. W. Jr.,	South River.
Bell, John Henry	Burk's Falls.
Bettes, John Hiram	Muskoka Mills.
Brady, John	Renfrew.
Beattie, W. J.	Arnprior.
Bromley, William	Westmeath.
Bissell, Hartie	Trenton.

(*Appendix No. 67.*)—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Brown, Robert	Starrat.	Carter, Robert E.	Fesserton.
Beaton, Hugh	Waubaushene.	Coleman, Jos.	Baysville.
Bailey, Arthur	Parry Sound.	Cardiff, George McDougall..	Sudbury.
Burd, James Henry	Parry Sound.	Cameron, W. D.	Rat Portage.
Bailey, Samuel James	Orillia.	Crandall, F.	Port Arthur.
Burton, Tinswood	Renfrew.	Campbell, James R.	Eganville.
Boyes, James	Huntsville.	Campbell, John A.	Galetta.
Brown, John	Rockdale.	Caillier, Hyacinth	Arnprior.
Brennan, Edward Scott	Sundridge.	Chamberlain, Thomas	Bobcaygeon.
Bell, John Arguey	Klock's Mills.	Cooper, David Allan	Millbrook.
Bromley, Edw. H.	Pembroke.	Cox, Henry	Ballerica, Que.
Bliss, Lawrence E.	Byng Inlet.	Currie, James	Ottawa.
Buee, Neil	Spanish Station.	Clarkson, A. E.	Midland.
Brazziel, Leonard	Spanish Station.	Clairmont, E.	Gravenhurst.
Bowie, Jas.	Bryson, Que.	Cameron, W. F.	Sturgeon Bay.
Barrie, Nicholas J.	Ottawa.	Connolly, Daniel	Gravenhurst.
Burke, J. D.	Rat Portage.	Campbell, P. C.	Sault Ste.Marie.
Bowen, Thos.	Deseronto.	Cadenhead, Alexander	Midland.
Brown, James F.	Baysville.	Carpenter, R. J.	Arnprior.
Blastorah, Bernard	Harwood.	Christie, William Pringle	Severn Bridge.
		Campbell, C. V.	Sault Ste.Marie.
Campbell, Robt. John	Flinton.	Clegg, Samuel	Peterborough.
Carpenter, John A.	Arnprior.	Clairmont, William L.	Gravenhurst.
Campbell, Alexander J.	Trenton.	Cook, Sidney P. W.	Spanish Station.
Carson, James	Bracebridge.	Corrigan, John	Baysville.
Campbell, J. M.	Bracebridge.	Chalmers, Alexander M.	Peterborough.
Campbell, Robert	Bracebridge.	Charlton, Geo. A.	Collingwood.
Clairmont, Joseph	Campbellford.	Cahill, Thomas	Nosbonsing.
Clarkson, Robert J.	Parry Sound.	Chew, Manley	Midland.
Carruthers, Aaron	Hintonburg.	Cooper, James Eddly	Saurin.
Calder, Wm. J.	Burk Lake.	Cook, Reinhardt	South River.
Chew, Joseph	Gravenhurst.	Crowe, Cecil.	Bobcaygeon.
Cole, James Colin	Ottawa.	Callaghan, Dennis	Trenton.
Cameron, William	Collin's Inlet.	Collins, James	Barryville.
Cain, Robert	Midland.	Campbell, Daniel N.	Buckingham, Que.
Crawford, Stephen W.	Thessalon.	Canniff, R. W.	Rat Portage.
Cochrane, George	Peterborough.	Cassidy, S. C.	Dunchurch.
Coburn, John	Lindsay.	Charleson, John Baptiste	Ottawa.
Crowe, Nathaniel	Bobcaygeon.	Comer, Billa F.	Tweed.
Cameron, Alexander	Norman.	Carter, George	Sundridge.
Chrysler, Frank R. L.	Webbwood.	Corrigan, Robt. T.	Emo.
Callaghan, Thos., Jr.	Campbellford.	Caswell, Grant	Coldwater
Carson, Hugh	Rat Portage.	Caswell, Geo.	Coldwater.
Calder, George	Woodville.	Chemir, David A.	Pembroke.
Callaghan, Dennis	Campbellford.	Clairmont, Philadelp L.	Gravenhurst.
Corigan, Robert T.	Emo.	Crowe, Edgerton	Bobcaygeon.
Cameron, John H.	Rat Portage.	Crowe, Leslie	Bobcaygeon.
Carson, Melvin	Little Current.	Campbell, Duncan W.	Stewartville.
Cameron, John K.	Spanish River.	Callaghan, Thomas M.	Arnprior.
Cassidy, William	Little Current.	Clements, Albert James	Bent River.
Coons, George Washington.	Peterborough.		
Chisholm, George Leopold..	Sault Ste. Marie.	Doran, Frank	Barryvale.
Chalmers, George James	Peterborough.	Dunning, E. Percival	Parry Sound.
Caverly, David Charles	Parry Sound.	Duff, R. J.	Arnprior.
Campbell, Archibald J.	Little Current.	Durrill, John W.	Ottawa.
Close, John L.	Arnprior.	Dickson, John	Sundridge.
Carmichael, Donald	Arnprior.	Dickson, Jas. L.	Michipicoten H'b'r.
Carty, John	Arnprior.	Danter, R. W.	Parry Sound.
Cleary, Patrick M.	Arnprior.	Doyle, T. J.	Eau Clare.
Cuthbertson, William	Arnprior.	Doble, Alexander R.	Blind River.

(*Appendix No. 67.*)—*Continued.*

Name.	P. O. Address.
Donally, Richard S.	Sunbury.
Devine, William	Cook's Mills.
Durrill, William	Nosbonsing.
Draper, Patrick	Cuyon, Que.
Davis, J. P.	Bobcaygeon.
Dale, John Alexander	Birkendale.
Dinsmore, Chas. L.	Huntsville.
Drum, Patrick	Belleville.
Durham, Edgar S.	Roseau
Duquette, Charles	Webbwood.
Davis, William Albert	Bobcaygeon.
Dickson, Robert Alexander.	Keene.
Dawkins, John	Gravenhurst.
Doxsee, James E.	Gravenhurst.
Didier, L. P.	Aylmer, Que.
Devine, Patrick J.	Sheenboro, Que.
Dinsmore, Richard	Huntsville.
Dunn, Percy E.	Longford Mills,
Duval, Chas.	Halfway.
Donlevy, James	Calabogie.
Doris, Patrick	Peterborough.
Doris, John	Peterborough.
Donahoe, Michael	Erinsville
Doran, W.	Belleville.
Dickson, Robt. R.	Kippewa, Que.
Donlevy, Wm. C.	Rockcliff.
Duff, Chas. A.	Stewartville.
Dean, James C.	Rat Portage.
Duff, Peter A.	Claybank.
Duncan, Downey	Rainy River.
Dougherty, J. M.	Fort Frances.
Emlaw, Oliver	Campbellford.
Ebert, Andrew P.	Pembroke.
Ellis, Alexander	Arnprior.
Ellis, John	Westmeath.
Errington, Joseph	Sundridge.
Edgington, Henry John	Parry Sound.
Eagar, James	Parry Sound.
Elliott, Porter P.	Mine Centre.
Elliott, William	Cache Bay.
Edgar, J. E.	Rat Portage.
Elliott, George E.	Peterborough.
Fraser, John A.	Rat Portage.
Ferguson, Wm. H.	Red Bay.
Forbes, Christopher McKay	McLean's Depot.
Fitzgerald, E. Clair	Parry Sound.
Farrell, W. H.	Ironside, Que.
French, Lewis William	Byng Inlet.
Fraser, William A.	Mattawa.
Finnerty, Patrick	Rochfort.
Farnand, Frank	Diamond.
Fulton, Philip S.	Spanish Station.
Fitzgerald, Ullyot C.	Parry Sound.
Fenn, George	Bracebridge.
Fortune, Owen	Trenton.
Fraser, David	Norman.
France, John	Collins' Inlet.
Ferguson, Ernest A.	Baysville.
Ford, Charles	Wahnapitae.
Findlay, J. H.	Braeside.
Fraser, Jas.	Renfrew.
Fairen, Francis	Peterborough.
Faulkner, Jos.	Fesserton.
Fraser, Alexander, Jr.	Westmeath.
Fairbairn, William	Calabogie.
Fraser, Wm. A.	Pembroke.
Fraser Foster	Pembroke.
Fraser, William.	Little Current.
Fraser, Hugh Alexander	Pembroke.
Flaherty, John	Lindsay.
Fisher, William	Trenton.
Fox, Thomas	Deseronto.
Fallis, James W.	Sturgeon Bay.
Fairbairn, N. H.	Webbwood.
Friel, John	Trenton.
Fox, Charles	Trenton.
Featherstonhaugh, Wm. Henry	Penetanguishene.
Friar, Schuyler	Westmeath.
Farren, Joel	Savanne.
Fraser, Duncan	Big Forks
Freeston, Walter	Burk's Falls.
Fraser, John	Bancroft.
Fitzgerald, D. C.	Spanish Station.
Foster, Wm. C.	Searchmont.
Frazer, Jas. C	Spanish Mills.
Fremlin, H. P.	Richards' Land'g.
Foster, Ed. G.	Sault Ste. Marie.
Farrell, Peter M.	Whitefish.
Fairhall, Edward	Whiteside.
Fraser, Levi	Bracebrige.
Fiddes, James	Rainy River.
Griffith, Geo. F.	Pembroke.
Graham, John	Arnprior.
Golden, Jno.	Gilmour.
Gunter, Henry M.	Trenton.
Goltz, Ernest	Bardsville.
Green, Forman A.	Gilmour.
Green, Samuel E.	Parry Sound.
Grant, John	Flinton.
Green, Arthur	Ottawa.
Green, Norman McL.	Bancroft.
Gillis, John J.	Whitefish.
George, R.	Parry Sound.
Gardiner, John	Parry Sound.
Golden, Frank J	Trenton.
Garson, Robert	Thessalon.
Gropp, August	Penetanguishene.
Grozelle, Antoine D.	Muskoka Mills.
Goulais, James	Peterborough.
Grayson, Charles	Keewatin.
Gladstone, Harry E.	Cook's Mills.
Gwynne, John	Hawkesbury.
Gray, Frederick M.	Brule Lake.
Graham, Edward G.	Wahnapitae.
Griffin, James	Spanish River.
Gordon, Alexander B.	Pembroke.
Gareau, Noah J.	Pembroke.

(*Appendix No. 67*)—*Continued.*

Name.	P. O. Address.
Gordon, Robert W.	Pembroke.
Guertin, Nelson	Petawawa.
Gardener, John	Rat Portage.
Gunter, Peter M.	Gilmour.
Glennie, William	Millbridge.
Gorman, Maurice J.	Fenelon Falls.
Gillies, John A.	Braeside.
Geddin, Edward	Griffith.
Grant, Joseph	Eganville.
Gilmour, James B.	Braeside.
Gorman, Joseph P.	Sault Ste. Marie.
Gordon, Thomas A.	Hall's Bridge.
Gray, Albert H.	Biscotasing.
Gadway, John	Parry Sound.
Garrow, Edward	Webbwood.
Golding, William	Dorest.
Gillies, Harry	White Lake.
Gordon, Herbert C.	Nelson.
Gillespie, M. H.	Cook's Mills.
Griffin, William	Huntsville.
Ganton, David	Trout Creek.
Graham, George L.	Arnprior.
Graham, Frederick S.	Arnprior.
Gill, Cuthbert	Orillia.
Graham, James Robert	Rat Portage.
Graham, Thomas Jordan	Byng Inlet.
Gaudaur, Antoine Daniel	Orillia.
Gorman, Patrick	Eganville
Guy, Chas.	Fort Frances.
Hurd, Cyrus	Parry Sound
Hartt, James	Gilmour.
Hayes, James	Enterprise.
Humphrey, T. W.	Gravenhurst.
Huckson, A. H.	French River.
Handley, Robert.	Douglas.
Howe, Alexander	Queensborough.
Hurd, Edwin	Hurdville.
Huff, J. S. Morris	Arnprior.
Halliday, Robert J.	Lindsay.
Hutton, John	Hutton House.
Hutchinson, Wm. E.	Huntsville.
Hogarth, Joseph Rowan	Pembroke.
Humphrey, John	Gravenhurst.
Hill, Joshua	Midland.
Hall, David	Lovering.
Hartley, Charles	Peterborough.
Hawkins, Henry Charles	Blind River.
Hines, Philip Wallace	Huntsville.
Hudson, John Lewis	Combermere.
Helferty, Dennis	Eganville.
Hamilton, Robt.	Rat Portage.
Hoppins, Abiram	Kingston.
Hoppins, Densmore	Kingston.
Haystead, John	Parry Sound.
Henderson, John Irwin	Bobcaygeon.
Hartley, William	Millbridge.
Higgins, John C.	Peterborough.
Harrison, John, Jr.	Pembroke.
Hawkins, E.	Le Breton Flats.
Henderson, Charles	Bracebridge.
Halliday, Frank	Parry Sound.
Halliday, James	Springtown.
Hurdman, J. A.	Ottawa.
Hawkins, Stonewall J.	Meldrum Bay.
Hinchliffe, William	Gunter.
Henderson, Arthur	Baysville.
Hillis, James M.	Sutton West.
Harris, Wm. Jr.	Day Mills.
Hogg, W. J.	North Bay.
Hoxie, E. P.	Katrine.
Hawkins, Walter	Pembroke.
Howard, James	Eganville.
Howard, William	Baysville.
Hogan, Enos W.	Savanne.
Horne, John T.	Fort William.
Hamilton, Chas. E.	Rat Portage.
Henderson, Leonard	Baysville.
Hunter, Thos.	Callandar.
Hamilton, Robert J.	Ottawa.
Hawkins, William A.	Pembroke.
Herring, Ewdard C.	Sebright.
Hatch, J. W.	Dryden.
Irving, Thos. H.	Parry Sound.
Irwin, Eli.	Rat Portage.
Irving, Edward C.	Rat Portage.
Johns, Frank A.	Toronto.
Jackson, Robert	Brechin.
Johnson, Finlay	Bracebridge.
Jones, Albert	Victoria Harbor.
Johnson, Thomas	Bobcaygeon.
Johnston, Archibald M.	Norman.
Julien, Charles	Trenton.
Junkin, Henry	Marmora.
Johns, Frank	Nipissing Junct'n
Jessup, Edward D.	Cache Bay.
Johnson, Frank N.	Ottawa.
Johnston, John	Peninsular Lake.
Johnson, S. M.	Arnprior.
Jones, Frederick James	Flinton.
Johnston, William A.	Castleford.
Jervis, Henry	Wisawasa.
Jones, William	Fenelon Falls.
James, Martin	The Flats.
Johnston, James	Fort Frances.
Kintree, Stuart	Little Rapids
Kerby, John	Belleville.
Kennedy, Robert.	Marmora.
Kirby, Louis Russell	Ottawa.
Kennedy, Timothy	Enterprise.
Kirk, Henry.	Trenton.
Knox, Milton	Ottawa.
Kinsella, Michael Pierce	Trenton.
Kitchen, D.	French River.
Kelly, Jeremiah	Sudbury.
Kelly, Ferdinand	Mattawa.
Kennedy, T. J.	Arnprior.
Kenning, Henry	Pembroke.
Kirby, D. F.	Belleville.
Kirkpatrick, David	Lindsay.

(*Appendix No. 67*)—*Continued.*

Name.	P. O Address.	Name.	P. O Address
Kelly, Michael J.	Baysville.	Lavigne, John	Alymer, Que.
Kirk, William James	Webbwood.	Landell, Charles S.	Huntsville.
Kerr, E. G.	Thessalon.	Long, Henry Elisha	Mattawa.
King, Napoleon	Mattawa.	Lynch, W. H.	Collingwood.
Kean, B. F.	Orillia.	Laplante, Francis	Byng Inlet.
Kemp, Orval Wesley	Trenton.	Lindsay, Jas.	Arnprior.
Kirk, Charles Barron	Queensborough.	Labelle, Michael	Arnprior.
Kingsland, W. P.	Ottawa.	Legree, John	Dacre.
Kerr, John B.	Arnprior.	Lagree, James L.	Calabogie.
Kennedy, Walter.	Arnprior.	Leigh, John Chas.	Gravenhurst.
Kennedy, John	Pembroke	Lloyd, Euward B.	King.
Knox, Wm. M.	Fesserton.	Lemyre, Bruno	Gravenhurst.
Kingston, Robert	Wisawasa.	Lavelle, Charles H.	Canoe Lake.
Kearnan, Edward	Blind River.	Lyons, James	Waltham, Sta., Q.
Kearney, Michael John	Buckingham, Que	Ledwood, Chas.	Ottawa.
Kendrick, John	Burk's Falls.	Lavelle, Emery	Waltham, Sta., Q.
Kendrick, John L.	Burk's Falls.	Little, Theo.	Rat Portage.
Kennedy, Jno. W.	Ottawa.	Lehman, Joseph	Stratton Station.
Kelly, James F.	Trout Creek.	Lafare, Mark	Cache Bay.
Kauffman, Julias	Blind River.	Leach, George	Vermilion Bay.
Kennedy, Sylvester	Brule Lake.		
		Malloy, Mark	Baysville.
Leannoth Francis	Arnprior.	Martin, Hugh	Sault. Ste. Marie.
Lee, James	Warren.	Miller, R. O.	Gravenhurst.
Lloyd, Alfred	Severn Bridge.	Morrison, James	Toronto.
Lawrie, Frank A.	Parry Sound.	Murray, Frederick	Huntsville.
Latimer, Jas.	Frank's Bay	Menzies, Archibald	Burk's Falls.
Lemyre, Middey	Campbellford.	Manning, James	Trenton.
Lutz, Jacob	Parry Sound.	Martin, Philip	Stoco.
Luby, John E.	Ottawa.	Malone, Wm. Pat.	Ottawa.
Law, Wm. J.	Markstay.	Marsh, Esli Terril	Trenton.
Lummis, Daniel	Glanmire.	Millar, John W.	Huntsville.
Lowe, W. C.	Port Arthur.	Mutchinbacker, Asa	Rosseau Falls.
Londry, S. C.	Sault Ste. Marie.	Morris, George F.	French Bay.
Lochnan, James	Ottawa.	Murray, George, Jr.	Waubaushene.
Link, Henry W.	Ottawa.	Maughan, Joseph	Fort William.
Ladarotte, John	Arnprior.	Margach, Wm. J.	Port Arthur.
Lochnan, John	Aylmer, Que.	Murray, George, Sr.	Waubaushene.
Lozo, John	Trenton.	Maniece, Wm.	Peterborough.
Loughrin, Lawrence	Pembroke.	Murray, Wm.	Rat Portage.
Linton, J. H.	Parry Sound.	Morgan, Richard J.	Rat Portage.
Ludgate, James	Peterborough.	Magee, Thomas Arthur	Rat Portage.
Lee, Robert	Huntsville.	Murdoch, James	Cooks's Mills.
Langford, Mark	Baysville.	Mulvahill, Wm.	Arnprior.
Letherby, Edwin	Midland.	Murphy, Arthur	Ottawa.
Lovering, William James	Coldwater.	Mayhew, Jacob	Northcote.
Lane, Maurice	Bobcaygeon.	Milne, Archie	Arnprior.
Lenton, George	Peterborough.	Murray, James	Peterborough.
Lowe, Thos. A.	Renfrew.	Moore, James A. E.	Lakefield.
Livingston, Robert M.	Huntsville.	Merkley, William A.	Ottawa.
Londry, William E.	Sault Ste. Marie.	Murphy, Hugh R.	Ottawa East.
Labelle, James	Waltham, Que.	Murphy, W. J.	Arnprior.
Labelle, Eli	Waltham, Que.	Murray, William	Markstay.
Ladurante, J. D.	Ottawa.	Macfarlane Robt. L.	Warren.
Ludgate, Theodore	Peterborough.	Martin Edgerton	Markstay.
Lucas, Frank	Sault. Ste. Marie.	Mathieson, Archie	Fort Frances.
Lunam, Duncan	Collfield, Que.	Moore, Henry R.	Lakefield.
Lott, George	Trenton.	Mickle, Charles S.	Gravenhurst.
Lawrie, John D.	Parry Sound	Mullen, James	Webbwood.
Lovering, George Francis	Coldwater.	Morley, A. W.	Winnipeg.

(Appendix No. 67)—Continued.

Name.	P. O. Address.
Munroe, Peter P.....	Commanda.
Mason, Benjamin....	Westmeath.
Monaghan, John B..	Arnprior.
Monaghan, M. J....	Arnprior.
Mulvihill, John....	Arnprior.
Moran, Andrew..	Rockingham.
Mulvihill, Michael..	Arnprior.
Mann, John....	Manitowaning.
Marrigan, Richard..	Deseronto
Monaghan, John Dorland...	Deseronto
Matheson, wm....	Chelmsford.
Munro, Alex. G....	Braeside.
Monro, Philip....	Braeside.
Mangan, Patrick..	Arnprior.
Marcil, Peter....	Ottawa.
Main, Samuel....	Spanish Station.
Morley, Charles....	Huntsville.
Moore, David Henry.... ...	Peterborough.
Murphy, John	Arnprior.
Mathieson, Daniel....	Chelmsford.
Milne, Wm.....	Ethel.
Mangan, Charles..	Burk's Falls.
Mooney, Lincoln....	Orillia.
Mangan, John....	Arnprior.
Mooney, Thomas....	Kingston.
Mason, Robert T....	Rochesterville.
Moore, Wm. John..	Gravenhurst.
Morrison, Donald....	Reay.
Moore, Wm.....	Bobcaygeon.
Mutchenbacker Herman ..	Rosseau Falls.
Moors, Norman....	Arnprior.
Morley, John R....	Rat Portage.
Mackay, J. A....	Big Forks.
Miller, Robt....	Montreal.
McCaw, Joseph E....	Tweed.
McLaren, Peter....	Rat Portage.
McGregor, Colin F....	Rat Portage.
McKenzie, Robert....	Rat Portage.
McFadyen, A. J..	Bracebridge.
McCauley, Thos. J....	Goulais Bay.
McDonald, John C....	Spanish Mills.
McKenzie, Alex. E....	Ansonia.
McIntyre, John..	Arnprior.
McGenigal, John H....	Whitby.
McCart, Patrick....	Arnprior.
McGrath, Thomas B.... ...	Peterborough.
McCormick, James J..	Trenton.
McCarthy, Wm.....	Fenelon Falls.
McAvoy, Owen..	Campbellford.
McConnell, Lewis..	Fesserton.
McMullen, George..	Spragge.
McNab, Angus....	Burnstown.
McColgan, C. H..	Quyon, Que.
McCallum, Webster..	Arnprior.
McCagherty, Robert E.....	Westmeath.
McNab, Archie..	Calabogie.
McDonald, Malcolm..	Spragge.
McIvor, J. A....	Fort Francis.
McCulloch, M....	Rat Portage.
McPherson, Jas. S....	Rama.
McKinley, Edward C.... ...	Toronto.
McClelland, John....	Parry Sound.
McFarlane, J. W...	Cache Bay.
McDonald, Roderick..	Pembroke.
McCormack, Wm....	Pembroke.
McCreary, William....	Arnprior.
McCreary, James, Jr..	Arnprior.
McPhee, Hugh..	Byng Inlet.
McCudden James..	Arnprior.
McLachlin, J. A...	Arnprior.
Macpherson, John..	Ottawa.
McEachren, John A....	W'st Gravenhurst.
McLeod, Dugald....	Gravenhurst.
McClelland, R. H....	Parry Sound.
McEvoy, Frank....	Campbellford.
McDermott, Peter..	Orillia.
McIlroy, John..	Madoc.
McNab, Robert J....	Parry Sound.
McFadden, James....	Ottawa.
McIntosh, James G..... ..	Carleton Place.
McInnis, Hector D..	Bracebridge.
McKinnon, Malcolm..	Bracebridge.
McLean Daniel....	Bracebridge.
McKinnon, Archie J..	Bracebridge.
McKay, D. C....	Baysville.
McDonald, James....	Parry Sound.
McPherson, Allan....	Longford.
McDonald, James P..	French River.
McFarlane, Jos. C.	Port Severn.
McNabb, Alexander....	Thessalon.
McGillivray, Archibald.. ..	Port Arthur.
McGrane, Edward..	Lindsay.
McLeod, Donald, Jr..	Keewatin.
McDonald, Hector R..	Thessalon.
McDougall, Duncan..... ..	Bracebridge.
McNabb, Alexander D.. ...	Warren.
McCormack, John C..	Sudbury.
McNamara, John..	Byng Inlet.
McGillivray, Duncan D.. ..	Algoma Mills.
McIntyre, Daniel A..	Klock's Mills.
McNamara, Lewis..	Klock's Mills.
McDonald, Sidney C..	Mattawa.
McCool, Christopher L.. ...	Cartier.
McCollum, Donald..	Arnprior.
McDowell, Wm..	Cache Bay
McConachie, Roy Stewart..	Huntsville.
McDonell, J. K..	Rat Portage.
McDonald, Alex. J....	Vermilion Bay.
McKay, D. A.....	Rainy Bay.
McMillan, James..	Rat Portage.
McPhee, Ronald..	Bracebridge.
McKay, George Donner.. ..	Dorset.
McWilliams, Maxwell Theodore..	Peterborough.
McLeod, John..	Keewatin.
McPherson, George..	Keewatin.
McDougall, John D..	Rat Portage.
McGregor, Duncan..	Burnstown.
McLean, Peter W..	Sand Point.

(*Appendix No. 67*)—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
McManus, John C..	Arnprior.	McCagherty, William E.	Westmeath.
McNabb, Alexander..	Arnprior.	McDonald, John D	Mattawa.
McFarlane, Alexander,. ..	Renfrew.	McCagherty, Joseph T.....	Westmeath.
McFarlane, J. D..	Stewartsville.	McAdam, Arch. H..	Quyon, Que.
McFarlane, Duncan..	Renfrew.	McMurphy, Dugald, Jr.	Rat Portage.
McKendry, Wm. B....	Arnprior.	McCall, Alfred..	Rat Portage.
McPhee, Hugh....	Renfrew.	McRitchie, William..	Rat Portage.
McPhee, John	Arnprior.	McRitchie, Malcolm..	Rat Portage.
McLachlin, Peter..	Arnprior.		
McLachlin, Alexander	Arnprior.	Nescott, George..	Rat Portage.
Mackey, Edward....	Arnprior.	Newton, Frank..	Gravenhurst.
McEwen, Henry..	Trenton.	Newburn, Wm..	Parry Sound.
McDonald, Alfred..	Peterborough.	Niblett, James....	Arnprior.
McGeary, John J..	Sundridge.	Niblett, Robert....	Osceola.
McDonald, Archibald W....	Gilmour.	Newall, John H..	Parry Harbor.
McCaw, John Gillen..	Queensborough.	Nolan, John....	Gravenhurst.
McCauley, Barney..	Trenton.	Newton, Charles W..	Victoria Harbor.
McDougall, James T..	Klock's Mills.	Nent, Charles....	Vermilion Bay.
McInenly, Thomas	Quebec, Que.		
McBride, Archibald..	Arnprior.	O'Neil, Thomas..	Bancroft.
McFarlane, Robert L..	Arnprior.	O'Neill, Daniel, H. H.	Arnprior.
McGowan, Wm..	Parry Sound.	O'Leary, Patrick J.	Orillia.
McLachlin, Norman..	Arnprior.	Oliver, Charles R.	Fesserton
McDonald, Laughlin.. ..	Pendelton.	Overend, George J....	Longford Mills.
McIvor, William J..	Collins Inlet.	O'Brien, Andrew....	Ottawa.
McKee, John P..	Sturgeon Falls.	O'Connor, John....	Hintonburg.
McGowan, Thomas..	Parry Sound.	Oliver, Darcy	Wahnapitae.
McDermet, Patrick	South River.	O'Connor, Wm..	Nosbonsing.
McKay, Angus....	South River	O'Neill, James W..	North Bay.
McDonald, A. J...	Longford.	O'Donnell, Wm.....	Penetanguishene.
McInnis, Angus D..	Gravenhurst.	Owens, Richard....	Basin Depot.
McKendry, Alexander..	Waubaushene.	O'Reilly, Patrick.....	Cartier.
McGuire, Timothy..	North Bay	O'Neill, Mark..	Renfrew.
McGrath, John....	Peterborough.	Orrill, John..	Trenton.
McWilliams, John Bannon.	Peterborough.	O'Neill, Patrick..	Bancroft.
McCagherty, Patrick..	Westmeath.	Orde, Francis W..	Rat Portage.
McKendry, Daniel	Arnprior.		
Macdonald, D. F..	Parry Sound.	Pigott, John....	Fitzroy Harbor.
McManus, Thomas J..	Renfrew.	Pattison, Thos.	Bracebridge.
Macfarlane, David R..	Ottawa.	Price, A. E....	Arnprior.
McColgan, Edward..	Quyon, Que.	Presley, J. F..	Ashton.
McMichael, Charles..	North Seguin.	Power, James....	Bobcaygeon.
McIlroy, Thomas Davis..	Madoc.	Patzel, Adolph....	Arnprior.
McDonald, Wm. Henry..	Trenton.	Plaunt, William B..	Eganville.
McGaw, Wm. Thomas..	Callandar.	Plaunt, Joseph.....	Eganville.
McMillan, L....	Callandar.	Porter, Charles O....	Longford.
McDermott, John L....	Orillia.	Preston, R. E.....	Rat Portage.
McDonald, Chas. M.	Pembroke.	Petrie, George A..	Fergus.
McPhee, Benjamin....	Pembroke.	Pomeroy, Peter....	Trenton.
McGee, John Edward..	Parry Sound.	Perry, Pringle K..	Byng Inlet, North
Macfarlane, Mack....	Arnprior.	Purcall, Wm. G....	Ottawa.
MacCallum, Alexander.... ..	Braeside.	Purvis, John.....	Parry Sound.
McRae, Farquhar..	Rat Portage.	Porter, James....	Uphill.
MacCullum, Albert..	Arnprior.	Pearson, John James	Lindsay.
McGonigal, John..	Arnprior.	Paterson, John....	Wahnapitae.
McConachie, John..	Huntsville.	Paterson, Alexander..	Orillia.
McKay, D. G..	Rat Portage.	Parke, James....	Gravenhurst.
McDonald, James....	Peterborough.	Parquette, Oliver..	Webbwood.
McCullough, John L....	Lonsdale.	Palmateer, Sherman..	Gravenhurst.
McConnell, James..	Mine Centre.	Paget, George..	Huntsville.
McNaughton, Daniel..	Bracebridge.	Pounder, Joseph..	Westmeath.

(*Appendix No. 67*)—*Continued.*

Name.	P. O Address.
Pell, Richard D....	Arnprior.
Perry, Frederick..	Port Arthur.
Paget, Charles Edward.. ..	Novar.
Porter. Thomas Robert Mark	Dorset.
Pountey, E. J....	Arnprior.
Pyburn, David J.....	Dorset.
Purdy, Geo.....	Hintonburg.
Playfair. Andrew Wm.... ..	Sault Ste. Marie.
Pipe, Taylor	Haileybury.
Pipher, George E.....	Mowat.
Pondee, David....	Parry Sound.
Quinn, William..	Peterborough.
Quigley, Hugh....	Penetang.
Robertson, D..	Rat Portage.
Richardson, Frederick George	Trenton.
Richards, Richard	Tamworth.
Riddell, George Alexander ..	Rochesterville.
Robertson, Lewis McLean....	Dunchurch.
Robinson, Wm. F.....	Bobcaygeon.
Reamsbottom, Wm....	Mattawa.
Richey, Evan	Brentwood.
Randall, Louis G..	French River.
Richardson, Charles Mervyn.	Trenton.
Rochester, Daniel Baillie.. ..	Ottawa.
Riddell, James....	Ottawa.
Rice, Asa A....	Hull, Que.
Roberts, T. A..	Huntsville.
Ross, Andrew....	Longford Mills.
Rose, Donald M..	Rat Portage.
Rawson, Charles Edgar.....	Coldwater.
Ross, George....	Waubaushene.
Roberts, Percy T.....	Keewatin.
Ritchie, Wm. D.....	Little Current.
Ramsay, Robert....	Arnprior.
Ritchie, J. F....	Arnprior.
Ritter, Samuel G.....	Ahmic Harbor.
Robinson, Wm....	Bobcaygeon.
Reid, Joseph B....	Lindsay.
Ross, Walter M....	Ottawa.
Ruttle, H. A....	Carleton Place.
Richards, Benedict..	Ottawa.
Regan, John..	Orillia.
Russell, Wm.....	Pembroke.
Ramsay, Charles....	Sudbury.
Russell, Corsan L....	Pembroke.
Richards, Henry..	Dacre.
Ryan, Wm..	Killaloe.
Rooney, Wm. H.....	Campbellford
Revell, J. O....	Dryden.
Rankin, Anthony....	Cache Bay.
Ross, Angus....	Orrville.
Robinson, Albert E....	Washago.
Robinson, Edward....	Washago.
Robinson, Thomas G..	Washago.
Raycroft, William T..	Sarnia.
Roberts, Ivor M.....	Garden River.
Revell, Lionel Oliver..	W. Gravenhurst.
Regan, Judd Patrick....	Orillia.
Robins, Etna Rosedale..	Orillia.
Regan, John, Jr....	Orillia.

Name.	P. O. Address.
Ryan, James.....	Savanne.
Rusk, Oscar W....	Cache Bay.
Robinson, Thos. Geo..	Bracebridge.
Rooksby, Wm.....	Campbellford.
Ramesbottom, Robt....	Byng Inlet.
Roy, Lewis....	Arnprior.
Riddell, Horace A.....	Galetta.
Rowan, A. L.....	Sault Ste. Marie.
Ritchie, James A.....	Spragge.
Smith, M. D.....	Fort William.
Scanlan, William....	Enterprise.
Sutherland, D. H....	Gravenhurst.
Spanner, John....	Huntsville.
Shier, James D.....	Bracebridge.
Spooner, W. R....	Katrine.
Simpson, Alfred E.....	Wakefield.
Souliere, John B.....	Ottawa.
Shields, James A....	Carleton Place.
Spargo, George....	Ottawa.
Smyth, W. H....	Byng Inlet North.
Salmon, R. H.	Baysville
Salmon, Alexander C.....	Baysville.
Stremer, A....	Ottawa.
Shields, Frank A....	Parry Sound.
Stapleton, John J....	Ogidakie.
Sloan, William H....	Fort Frances.
Smyth, Job E....	Cache Bay.
Sage, Nelson....	Muskoka Mills.
Seymour, Edward....	Whitefish.
Shaw, Thomas B.....	Waubaushene.
Swanston, James....	Peterborough.
Simpson, William....	Hall's Bridge.
Sadler, Thomas	Lindsay.
Smith, Patrick Albert..	Norman.
Snaith, Wm. J....	Mattawa.
Sinn, Wm. F.....	Arnprior.
Sheppard, Wm. Joseph.... ..	Waubaushene.
Sequin, Napoleon..	Spanish Station.
Scrim, Robert....	Arnprior.
Sharp, James A....	Sudbury.
Shaneay, Harry S..... ..	Cook's Mills.
Smith, Wm..	Ottawa.
Stewart, Daniel....	Braeside.
Sheehan, Michael H....	Waubaushene.
Scott, Thomas..	Parry Sound.
Smith, Lawrence....	W. Saginaw, Mich.
Shea, Stewart..	Campbellford.
Sullivan, John....	Sault Ste. Marie.
Sinclair, Finlay....	Sudbury.
Shiels, Henry F....	Cartier.
Smith, Gideon Ousley..	Burk's Falls.
Smith, John Wallis....	Thedford.
Smith, Henry G....	Arnprior.
Story, John A....	Ottawa.
Sweezey, Benjamin....	Massey.
Sheppard, Charles H....	Coldwater.
Sinclair, Armon D.....	Arnprior.
Smith, Sidney E....	Ottawa.
Sleeman, Wm....	Rapid River.
Sheeman, Peter F....	Loring.
Sleeman, Geo....	Rapid River.

(*Appendix No.*67.)—*Concluded.*

Name.	P. O. Address.
Standish, Wm. H..	Batchawining Bay
Simpson, Wm. A.....	Lakefield.
Scollard, Wm....	Young's Point.
Shuttleworth, Alma..	Trout Creek.
Shanacy, Wm. J.....	Spragge.
Seely, George....	Arnprior
Stewart, Alex. W.....	Lanark.
Sereny, William....	Braeside.
Schneder, Frederick....	Cache Bay.
Smith, James D.	Rat Portage.
Sullivan, Jas.....	Aylmer, Que.
Scully, Cornealius....	Whitney.
Savoy, Eutrope....	North Bay.
Smith, Walter J....	Campbellford.
Seymour, Jno. J....	White Fish.
Smith, Alex. R. C.....	Burk's Falls.
Stewart, Richard M..	Chelsay, Que.
Soulliere, John H....	Canoe Lake.
Smith, Abraim G.....	Quyon, Que.
Swallow, J. H....	Day Mills.
Strave, A. M....	Mine Centre.
Tait, Thomas B....	Burk's Falls.
Taylor, C. M....	Gravenhurst.
Thornton, W. D....	Longford Mills.
Trussler, Gilbert....	Trout Creek.
Thompson, Geo. S....	Lindsay.
Thompson, Frederick A. H..	Callandar.
Thompson, Francis Henry....	Nosbonsing.
Train, A. C....	Rowan Mills.
Turgeon, George....	Cook's Mills.
Thomson, Alexander W.... ..	Arnprior.
Taylor, Thomas G....	Gravenhurst.
Trowse, A....	Arnprior.
Thompson, Daniel....	Port'ge du Fort, Q.
Thompson, Richard..	Rat Portage.
Thomson, Joseph H.....	Bracebridge.
Taylor, Edward A....	Westmeath.
Tait, Ralph....	Arnprior.
Train, William..	Burk's Falls.
Turner, Gavin F....	North Bay.
Tilson, Joseph....	Burk's Falls.
Tuffy, John.....	Cartier.
Thorpe, Thos....	Pembroke.
Taylor, Chas. E....	Gravenhurst.
Tench, Arthur....	Hekkla.
Tulloch, William A....	Sault Ste. Marie.
Taylor, Alex. M....	Burnstown.
Toner, J. A....	Port'ge du Fort, Q.
Thrasher Henry G....	Pembroke.
Tooke Frank..	Bala.
Udy, Dean..	French River.
Urquhart, Elias....	Gravenhurst.
Urquhart, Andrew....	Barrie.
Vigrass, Percy J.....	Dufferin Bridge.
Vincent, Joseph....	Warren.
Vollin, Samuel....	Nosbonsing.
Vannier, Nelson Joseph.... ..	Bobcaygeon.
Vincent, James....	Fesserton.
Vincent, Henry T....	Port Sidney.

Name.	P. O. Address.
Watson, Wm..	Huntsville.
Webb, Geo. W....	Parry Sound.
Wilcox, Thomas....	Parry Sound.
Wheeler, J. A. McL.....	Tamworth.
Widdifield, C. H.....	Pine Orchard.
Whitmore, Edgar....	Rosseau Falls.
Wright, L. B....	Sault Ste Marie.
Ward, Joseph W..	Ottawa.
Wilkinson, Wm....	French River.
Waldie, John E.....	Victoria Harbor.
Wigg, Thomas G....	Thessalon.
Wall, Patrick B....	Cheboygan, Mich.
Wells, John R.... ..'.....	Little Current.
Whiteside, John..	Huntsville.
Watt, Wm....	Peterborough.
Wilson, George....	Lindsay.
White, Thomas....	Parry Sound.
Watson, Wm....	North Bay.
Wagner, Fred.....	Rat Portage.
Wainwright, Edward C.... ..	Huntsville.
Wilson, Wm. James..	Deseronto.
Weston, Frank R.....	Midland.
White, James B....	Manitowaning.
Wilson, James A., Jr.....	Webbwood.
Woods, John R....	Antrim.
Wardell, Ernest C. S.....	Victoria Harbor.
Woods, Joseph F....	Roach's Point.
Whaley, Thomas....	Huntsville.
Webster, Wm. Alfred....	Bracebridge.
Wornsdorf, Frederick Gutlep.	Pembroke.
Warrell, Wm.....	Trout Creek
Wims, Peter....	Blessington.
Wickware, Philip Almonte..	Cloyne.
Wilson, Edward....	Deseronto.
Whelan, P. J....	McDougall.
Whyte, John Thomas Goth..	Ottawa.
Watterworth, J. A....	Sault Ste. Marie.
White, Wm. James....	Muskoka Falls.
Warrell, George....	Powassan.
Wells, Geo. W....	Little Current.
Wilson, Frederick Gould.. ..	Rat Portage.
Wallace, John Thomas.....	Thessalon.
Wilkins, George N....	Baysville
Wylie, Byrom M..	Webbwood.
Wood, Thos....	Parry Sound.
White, William..	Peterborough.
Woods, A. L....	Rat Portage.
White, Jonn B....	Kippewa, Que.
Whelan, Peter M....	Renfrew.
Yuill, John Albert.....	Braeside.
Young, Wm....	Severn Bridge.
Young, A. J....	Cache Bay.
Young, Samuel....	Coldwater.
Young, Patrick P....	Young's Point.
Young, Francis G..	Young's Point.
Yuill, Thomas.	Arnprior.
Yuill, A. D....	Braeside.
Young, C. T.....	Harvey.
Yuill, John Alex....	Arnprior.
Yuill, Archibald..	Bracebridge.
Yuill, Wm.....	Braeside.

Total, 1,062.

AUBREY WHITE, Assistant Commissioner.

REPORT

of the

Director of Forestry

for the

PROVINCE OF ONTARIO

1903

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1904

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TORONTO, December 30, 1903.

SIR,—I have the honor to transmit the report of the Bureau of Forestry for the past year. The report contains, in addition to a general summary of the progress of forestry in Ontario during the past decade, a review of the work done in protecting the Forest Reserves during the past two years; an account of further additions to the Permanent Crown Forest area; a reference to further proposed extensions to the Forest Reserve system; some recommendations as to re-forestation, and a report of a series of lectures by Dr. B. E. Fernow, of Ithaca, N.Y., delivered at Queen's College.

I have the honor to be, Sir,

Your obedient servant,

THOS. SOUTHWORTH,
Director of Forestry.

Hon. E. J. DAVIS,
Commissioner of Crown Lands.

GENERAL FORESTRY PROGRESS IN ONTARIO.

The people of Ontario, particularly those of them who have been interested in the future of the forest wealth of this country are to be congratulated upon the present condition of things in this Province, and upon the very great strides that have been made during the past few years in the direction of systematic forestry practice. The work that has been done in bringing our forest laws and regulations to the present condition has been so gradual as to have attracted comparatively little attention, and few realize what enormous strides have been made, and what a fortunate position in the matter of future revenue and timber supplies, as well as the safety of the water supply, the Province of Ontario is now in.

It is well to point out, however, that in spite of the excellent position of the Province of Ontario in forestry matters, when compared with other commonwealths on this continent, we are still a considerable distance off from the adoption of correct forestry practice in the management of our timber resources, and while we are now in the fortunate position of being able to deal properly with the Provincial forest estate, considerable reforms must yet be undertaken before we are able to realize the full value of our inheritance.

In the summary of the development of the Crown Timber Regulations from the date of the French regime up to the present time published in the Report of the Bureau of Forestry for 1899, the sequence of events leading up to conditions at that time was very clearly shown. It was pointed out that while the Home Government immediately after the conquest proposed to reserve all the timber land in Canada for Crown purposes, largely for naval construction, and a monopoly of cutting timber given to the Royal Dock Yard contractors, this was followed by a period of absolute free trade in timber in which anyone who chose might select a territory and remove the timber from it, paying a small charge only on the rafts as they went down the St. Lawrence for the purpose of improving the navigation of the river.

Gradually, however, the value of the timber from a commercial point of view became recognized, and there developed the policy of selecting the most merchantable timbers for the purposes of public revenue, and subsequently turning over the land to the individual settler in small holdings. In this way the lumberman was the precursor of the settler, affording him employment in the winter and a market for the produce raised on his holding in the summer. A very large part of the southern portion of Ontario was settled in this way.

Under this plan there developed a system of leases of occupation, or license, renewable from year to year, under which the lumbermen were allowed to remove the timber, paying therefor dues when cut, but as territory began to be reached that was found unsuitable for general farming, the time when these licenses ceased to be renewed became very indefinite. As settlement progressed north, a portion of country was reached in which this plan did not work satisfactorily. Areas of land were placed under license, which, when the more valuable pine timber was removed, were found to be not well suited for farming, although a great many settlers, misled

by the high prices received for produce during lumbering operations, were allowed to settle upon these areas finding when too late that the time had been wasted, and that the land was ill suited for their purpose. Other areas under license seemed to be composed of land that even an unpractical settler could see was not fit for farming, and on this territory the license was renewed from year to year.

Although it is probable that the Crown possessed and still possess the legal right to refuse to renew these licenses at any time, certainly at a period when it might reasonably be supposed that the original timber taken into account when the limit was first put under license had been cut off, yet the practice of renewing the license yearly, which had been in vogue for so many years, led to frequent transfers of these limits from one holder to another, and the cancellation or failure to renew the license would mean that the last purchaser of this limit would naturally be out of pocket on his investment. Hence the difficulty of cancelling these licenses except at a stated time a long period in the future.

It is also evident that large areas of land that had been held under license, in which settlers had been allowed to go, have been settled at a loss to the Province in revenue that would otherwise have been derived from the sale of the timber, and also a loss to the settlers themselves who would have been able to do very much better on land more suited for their particular purpose.

In 1896 the Director of Forestry recommended in a memorandum to the Hon. Mr. Hardy, then Commissioner of Crown Lands, the inspection and subsequent withdrawal from settlement of such areas as were found to be unsuited for settlement; that these areas should be kept for all time in the Crown for the purpose of growing timber crops for revenue and timber supplies. At the request of the Director of Forestry the Government the following year appointed a Royal Commission for the purpose of considering the condition of affairs at that time. On this Commission were two of the most prominent lumbermen in Canada, both since deceased, the late Mr. E. W. Rathbun of Deseronto, and Mr. John Bertram of Toronto.

This Commission approved the suggestion of the separation of agricultural from non-agricultural lands, and their report was followed by the passage at the instance of the Hon. J. M. Gibson, then Commissioner of Crown Lands, of the Forest Reserves Act, by which the Lieutenant-Governor-in-Council was authorized to set aside from time to time such areas of land as were found unsuited for agricultural settlement, to be kept perpetually in forest reserves.

Naturally, owing to the condition of timber licenses above referred to, only lands not previously under license could readily come under the operations of this Act. The first Reserve created under the Act was some territory in Eastern Ontario that had been many years under license, but from which nearly all the timber, certainly all the pine timber, of any commercial value, had been removed. Much of this had been burned over, and although it was under license at the time, an arrangement was made with the holder of the license by which he was allowed to cut such mature timber as might be found there during five years, at the end of which time no renewal of the license was to be had. This Reserve comprises about 80,000 acres, and is surrounded by a settled country.

Subsequently another small reserve, not under license, but which had been cut over and to some extent burned over, containing about 45,000 acres, was created, being part of the township of Sibley, on the north shore of Lake Superior, forming what is known as Thunder Cape.

During the regime of the present Commissioner, Hon. E. J. Davis, these Reserves were added to by the creation of the Temagami Forest Reserve about 1,400,000 acres in area in which no lumberman had operated. About thirty-seven years previously a portion of this had been burned over by a very extensive fire set by the Indians living within the Reserve, but this is all well covered with a very thrifty growth of pine and other trees, while the southern part of the Reserve contains a very large quantity of pine timber, much of it mature and fit for market.

Investigations are now being made of other territory with a view of extending the Forest Reserves, and it is likely that before the close of 1904, the Forest Reserve area of the Province will reach seven millions of acres, most of which will be territory that has not been visited by the lumberman.

The question of the tenure of licenses above referred to was recognized by the Government in the sale of timber occurring in 1901, when the conditions of sale specified that the licenses would not be renewed beyond a term of ten years, after which the territory would revert to the Crown free from any claim on the part of the license holder. It was found, however, that the necessity on the part of the lumbermen who had paid a large sum in advance on this timber, of taking his timber off in so short a time caused rather reckless cutting, and the terms in the sale of 1903 was extended to fifteen years.

While in the case of agricultural lands destined to be ultimately settled, and from which the pine timber is required to be sold for public revenue, this plan is probably as good as could be devised, it can readily be understood that the practice that will inevitably be followed by the license holder of taking all the timber off this territory that is big enough to cut at the end of the fifteen year period, will not conduce particularly to the largest revenue to the Crown that could be derived. If this timber were left to mature it would realize a sum that would doubtless more than meet the interest on the investment while it was growing to a larger size, but this applies of course to any form of selling timber by the bonus system where a large part of the purchase money is paid in advance.

We therefore now have in the Province of Ontario lands still owned by the Crown that may be considered more or less permanent Crown Forests—lands under license for an indefinite period in which the lands are still owned by the Crown but in which certain parties have the right to cut timber subject to dues—a second class of territory for which license has been given for a fixed period, and a still further area which constitutes definitely a permanent Provincial estate in the Forest Reserves.

Much of the land in the first class is known to be quite unsuited for farming and should be included in the permanent Crown Forest Reserves, and probably will be at some time, by negotiations between the Government and the holders of the licenses, an arrangement by which the license holders would be willing to pay to the Department a larger share of the value of this timber than is indicated by the fixed annual dues.

The policy of the Government at the present time as enunciated by the Commissioner of Crown Lands in regard to the disposal of the timber in the Forest Reserves proper, looks to the sale of this timber at public auction on a basis of the highest price per thousand feet on the stump obtainable, and not a sum paid in advance and subject to fixed dues. In this way a reasonable assurance may be had that only the mature timber will be sold and cut in such a way as to best secure a recurrence of the crop. The limited sale period fixed in the last two timber sales will permit the addition of these

areas to the permanent Crown Forest Reserves in case the land contained in these limits is found on inspection to be of a class unsuited for general agriculture.

The Reserves so far created lie at the head waters of streams, and the larger forest area will doubtless include the Laurentian country separating the clay lands of the north from the settled areas of the south, forming the watershed of the river systems flowing north and south, and will in the writer's opinion include eventually forty or fifty millions of acres.

What this immense territory kept permanently under forest and operated in a scientific manner, will mean to the future of this Province, it is very hard to estimate. The effect of this large forest on the water supply will be of incomparable benefit to future generations, and the revenue from it, under any proper system of management, will be such that the people of Ontario need have no fears of direct taxation until the public expenditures of the Province are enormously in excess of the amount now annually expended.

MUNICIPAL FOREST RESERVES.

A Suggestion.

In previous reports of the Bureau of Forestry special emphasis has always been laid on the fact that in Ontario there are two distinct branches of the forestry problem, relating respectively to the territory the title to which remains vested in the Crown, and lands which have passed into private hands. In any intelligent consideration of the subject it is always necessary to keep this in view.

So far as concerns the portion of the Crown domain which is obviously unadapted for settlement and cultivation, the question, if not altogether settled by the adoption of a progressive forestry policy, is at least in a fair way towards a satisfactory solution, although many details of a more or less intricate character remain to be considered. As has previously been pointed out, the situation as regards the settled and privately owned portion of the Province is much less satisfactory, and the difficulties in the way of adopting anything like a comprehensive and effective forestry system are much greater by reason of the multitude of individual interests and vested rights involved.

In the report of the Bureau for 1900-1901, an exhaustive statement compiled from the returns of Township Assessors was given, from which it appeared that the proportion of woodland to total area in 36 counties is less than 20 per cent. There is no reason to suppose that the tendency towards deforestation has been arrested in the interval, in fact owing to the increased demand for wood of all kinds for fuel and manufacturing purposes, it is altogether probable that there has been a still further reduction in the woodlands of most of the older settled counties. It is a great deal easier to decry this tendency and point out the injurious effects which it must ultimately have upon our prosperity, than to devise any remedy capable of being enforced by public authority. Some progress has been made by the circulation of information concerning forestry, and tree-planting, but the efforts of a few public-spirited or far-sighted individuals who have taken practical steps towards the preservation or restoration of woodlands can do but little to counteract the general tendency towards over-clearance fostered by the increasing

market value of wood. With the great majority of land owners considerations of immediate personal profit are always likely to overweigh those of the general good, especially when, as in this case, the injurious effects of their actions is indirect and distant, involving no readily apparent personal responsibility.

In the portions of the Province where the soil is largely well adapted for agriculture, the forest areas must always be limited to the farm woodlots and shelter belts. With such limited and detached areas co-operation in management by the owners is wholly out of the question, and the hope for improvement, both in regard to the area and the quality of these woodlands, lies in the further dissemination of knowledge as to the value of farm woodlands, and of improved methods of woodlot management, together with the provision by the government of good planting stock of the most desirable species at reasonable prices, and such modifications of the taxation of woodlands as may be found in the public interest.

There are, however, large districts in the Province in which a very large proportion of the lands are strictly non-agricultural, but where the title to the lands has all but entirely passed from the Crown to private hands. In these districts there are large contiguous areas which are either wholly unfit for the production of any crop other than wood, or are, at least, much better adapted to being used for wood crops than for other crops. Such lands present an entirely different problem. Their present condition is that they are lying almost wholly unproductive, and their owners have neither the knowledge of how to again restore them to production by afforestation, nor the capital with which to do it. Nor would they have the power to protect the growing crop were both the skill and capital available to make the start.

The Districts of Muskoka, Haliburton and others furnish striking examples of the results of throwing open for settlement territory largely unadapted for agriculture. The settlers upon many of the lots being unable to live solely by cultivating their land, have in many cases when the timber has been removed, abandoned their farms. Much of this land if managed upon forestry principles would contribute a permanent source of wealth. But under the present system it is simply despoiled of its growth and partly farmed under very disadvantageous conditions, and partly allowed to remain waste, the second growth not being protected. A large proportion of the lots after being denuded of saleable timber are of so little value that the owners allow them to be sold for municipal taxes, and are frequently bought in by the municipalipalities. Were the townships permitted to retain the ownership of the lots which thus fall into their hands, the nucleus might in this way be established of a system of municipal forest reserves, which would not only supply the public requirements for timber for bridges, culverts, piles and other construction works, but would in time become a considerable source of revenue. As the law stands, however, municipalities can only buy lots offered at tax sales on condition that they be re-sold within seven years, so that the only result is that the old chaotic and wasteful process of exploitation is again put in operation.

As a preliminary and experimental measure looking toward the creation of small municipal reserves in settled districts possessing considerable areas of non-agricultural or inferior land, I would suggest that the Assessment Act be amended so as to allow townships to hold, in perpetuity, lots purchased at tax sales If it were considered advisable, the power to hold such lands for a longer period than seven years might be restricted to such areas as the municipal council might by by-law set apart as forest reserves, subject to

such regulations regarding their management as might from time to time be enacted by the Provincial administration. The small value attaching to such waste and partially denuded areas as the abandoned clearings which are sold for taxes, enables the community to reclaim at trifling expense a large portion of the territory which should never have been allowed to pass into the hands of private owners, and the communities more especially interested ought to be permitted to take advantage of the opportunity thus presented to restore to useful production by reforestation such lands as have proven unfit for agricultural development.

With the opening up of large districts of New Ontario for agricultural settlement, still another phase of the question has arisen. Recent explorations have already established the fact that beyond the broken and sterile region immediately north of the settled part of the Province and the upper lakes, lies a broad belt of fertile country stretching across the Province, estimated to contain at least sixteen million acres of first class arable land.

The extreme eastern portion of this belt extending to the shores of Lake Temiskaming has for some years been open for settlement, and new townships are being rapidly surveyed and taken up. With the opening up of the country by the Temiskaming Railway, the Grand Trunk Pacific, and other lines of communication in the near future, the occupation and settlement of the entire fertile belt may be expected to take place before many years. In the course of a generation or so this new and at present largely unknown district will in all likelihood be as thickly populated as are the agricultural portions of older Ontario.

Unless there is some important change in the conditions under which this area, of itself a Province in extent, is allowed to pass from public to private ownership and control, the experience of the frontier countries of Ontario as to deforestaton will certainly be repeated. Already in the Temiskaming townships where settlers have been in occupation for some years, the process is far advanced. The settlers are clearing the timber from their lands with little thought or care for future requirements. The clearance is more rapid and thorough than was formerly the case, because of the demand for timber of many kinds that were unsaleable in the early days, and which when not growing on land immediately required for the plough were allowed to remain standing. Now, however, when the settler can turn into ready money almost any tree of commercial size, operations are not confined to the clearing of the soil needed for cultivation, but the timber growing on hill-sides and on rough or broken ground is cut down and readily disposed of. The settlers moreover are inclined to be careless as to the spread of forest fires either on their own or adjoining property, so long as their buildings and crops are not endangered, on the ground that it facilitates the work of clearing.

In cutting timber for sale, the usual practice is to deliver it on the bank of the nearest floatable stream by which it is forwarded to its destination. As a consequence the land in the immediate neighborhood of the water courses, which ought to be kept largely in forest if the even flow of water is to be maintained, being most cheaply exploited, is being extensively cleared regardless of its adaptability for agricultural purposes. The result is certain to be that the same unfavorable conditions for the conservation of moisture for the farm crops and the regulation of stream flow will quickly obtain in the newer townships as have long prevailed in the older counties of the Province.

So long as the present system of settling or granting the entire area of a township opened for settlement with full rights of ownership to the settlers, is continued, it is useless to expect any change for the better as regards the

preservation of a due proportion of woodland. In fact the inducements to destroy the forest wherever it passes into private hands are continually increasing with the growing demand for timber and the greater facilities for its transportation to distant markets.

A large proportion of the settlers in any new country are in needy circumstances, and one of the great inducements offered by New Ontario as compared with the Western prairies is the source of immediate income presented by the timber on the land. When an opportunity is offered to supplement their slender resources by marketing the forest growth, it cannot reasonably be expected that men to whom every dollar is an object, will discriminate closely between timber which may advantageously be cut without detriment to the general interest, and that which by reason of its location or the character of the soil it clothes ought to be preserved. If the large tracts of the great clay belt which will shortly be thrown open to a great influx of homeseekers are to be saved in any measure from a deforestation as complete as has overtaken the arable lands of the Western peninsula, it can only be done by a radical change in the methods of survey and settlement regulations before the Government has parted with its title to the soil.

If the threatened peril is to be averted, the public should retain the ownership, or at any rate the control of a sufficient proportion of the areas thrown open for settlement to insure the preservation of an adequate proportion of wooded land to maintain the most favorable conditions of climate and water supply for the development of the districts in question. The ideal system which would secure the maximum of productiveness both as regards agriculture and the industries dependent upon wood as a raw material, would be the maintenance of a number of small local timber reserves interspersed throughout the cultivated districts under some form of efficient public control. While it may not for various reasons be possible to at once establish such a system on as comprehensive and scientific a basis as could be desired, a beginning should at least be made by the setting aside before the country is opened up for settlement such small tracts of land as are obviously better adapted for the growth of timber than for tillage.

New Reserves.

Having in view the disastrous results of wholesale deforestation in the portions of the Province already fully settled, and also bearing in mind the need for securing an adequate local supply of timber and fuel for the future population of the arable regions of New Ontario, it seems desirable that before any new township is thrown open for settlement, the surveyors be instructed to report as to rough and non-agricultural land embraced within its boundaries with a view to withdrawing such areas from settlement and retaining them as timber reserves. The surveyors in addition to considering the nature and quality of the soil, should also be instructed to have special regard to the location of such non-arable or poor lands as regards streams and watercourses, as an important factor in deciding whether such land should be reserved or thrown open for occupation.

Reserves in Old Townships.

Should the Legislature deem it advisable to permit Ontario municipalities to acquire and hold lands as timber reserves, precedents are not wanting in our legislation for such a limited degree of provincial supervision as would insure the permanent and continuing interest of the public from being sacri-

ficed to temporary expediency or obvious mismanagement. If the Province can legitimately interfere to prevent a municipality rashly incurring liabilities out of proportion to its assessed value, and so laying a heavy burden upon the ratepayers of the future to obtain an immediate benefit, it might with equal propriety assume the duty of safe-guarding the interests of coming generations by protecting its assets in the form of forest property from dissipation. It would certainly be advisable that the Government should exercise such a limited measure of supervision as would prevent municipalities from yielding to the same temptation which usually proves too strong for individual owners to sacrifice the reproductive character of the forest in return for large immediate gains. Were the local management of small reserves to be absolutely unrestricted as the rights of private land ownership, it can readily be understood that in communities possessing only a rudimentary notion of the forest as distinct from the selling price of the standing timber, the pressure brought by the rate-payers to realize on the timber as soon as it became a saleable commodity and thus reduce taxation, would frequently prove irreristible.

Details as to the management of these reserves may well be left for future consideration. The all-important matter at the present time is to prevent wholesale and indiscriminate alienation of the title to lands in the new settlements under the pressure of a sudden influx of population, and to provide for the reclamation of waste lands in the older townships which have been abandoned for taxes and which under our present laws remain wholly unproductive and a menace to adjoining properties.

FARM FORESTRY.

By C. W. Nash.

When the pioneer settlers of what was known as Upper Canada, first entered upon the land, they found it covered with a magnificent growth of forest trees. These trees for many generations, provided all the material for building, fencing, fuel and many other of the necessaries required by the colonists and in that way proved to be the greatest blessing that could have been conferred upon them. On the other hand the trees were the greatest obstacles the settlers had to encounter in their endeavor to make a living from the soil. So laborious and slow was the process of clearing and stumping, when the only available means of doing it, were the axe, a yoke of oxen and a logging chain, that it is not surprising that these people and their descendants should look upon trees as their greatest enemy and that they should not, when they were clearing their homesteads, have stopped to enquire into the relations which the forest would bear to the future work of the farmer. Their conditions at that time were onerous in the extreme, they had no market for their timber and no roads over which it could be carried to get it to the sea and surrounded by what must have seemed to them an unexhaustible amount of timber they naturally disposed of what was in their way in the fashion that came easiest to them. Small blame therefore should be attached to them for having cut and burned somewhat wastefully, the forest which stood between them and the soil they were anxious to cultivate. The loss incurred by the destruction of the forest in these early days, was however confined to the value of the timber itself, which might, had it been judiciously conserved, have been converted into great wealth by its owners.

The most inexcusable destruction of woodlands and that which is now having a seriously injurious effect upon the agricultural interests of the Province has taken place during the last thirty years during which period the country has been denuded of trees to an extent which cannot be justified by any method of reasoning. Rocky ridges which can never by any possibility be made to produce a crop have been cleared of the last stick; steep hillsides and banks of streams have had everything cut from them down to the last sapling, leaving bare stretches that are neither profitable, nor pleasant to look upon and other waste lands which if kept under trees would have been directly or indirectly of great value are now worthless and injurious beds of weeds. The injury done by deforesting the rocky ridges will be difficult to remedy. The trees being cut entirely off, has exposed the surface to the rain, sun and wind, so that the soil which once sustained the trees and which was the accumulation of ages has been blown, or washed off and cannot readily be replaced. Steep hillsides and banks of streams may by judicious replanting be redeemed and made in a few years, to support a substantial growth of young timber.

The greatest evil, however, in this connection has arisen by reason of the disturbance of the balance in nature, which requires to be maintained in order to secure the best agricultural conditions. Long continued and most careful investigations have proven conclusively that all forms of life and all conditions in nature are dependent one upon another and that no change can take place in one condition without corresponding changes in others. In no case is this more clearly exemplified than in the relationship which exists between the forest cover, the water supply and the climatic conditions of a country. In Europe, in Asia, and in some parts of North America practical experience has shown that where excessive deforestation has taken place, it has invariably followed that the natural water supply was injuriously affected and that other climatic changes took place which were prejudicial to successful agriculture. It has been found in practice that in order to obtain the best agricultural conditions in Eastern North America from twenty to twenty-five per cent. of the land should be under timber; in flat and low lying districts the minimum quantity would be sufficient but on very high or rolling lands, if of wide extent, a larger proportion is necessary. According to recent statistics the land of southern Ontario is divided as follows: About eighty per cent. is cleared and under cultivation, about nine per cent. is woodland and the remaining eleven per cent. is waste and unproductive. Owing to the great demand for easily accessible timber, the small proportion of woodland is rapidly being cleared and no provision is being made for its reproduction. It is absolutely essential for the maintenance of proper agricultural conditions that the woodlands now existing should be preserved and that the so-called waste lands now lying idle and unproductive should be re-planted.

The permanent maintenance of the existing woodlands and the planting of all waste and unprofitable land to trees would give about the proper proportion of forest cover to clearing and would produce direct and indirect benefits to the country, greater than any reform in agriculture which has ever been introduced to the farming community. In order that the farmers who own the great bulk of these woodlands should be induced to maintain them permanently both to furnish the needed timber supply and for their influence upon the water supply and climatic conditions, it is necessary that practical and paying ways of using them should be devised, for unless they can be made to yield a fair rate of interest upon the capital invested, it is certain that they will soon disappear. That this can be done and is being done is proven by the experience of many farmers in our own Province and

in the adjoining States. It is merely a matter of education and the adoption of improved methods. The difference in results between the old haphazard way of slashing and chopping out a wood-lot and the modern scientific way of dealing with it is enormous; while on the other hand the cost and labour of doing the same work, so that the productive value of the lot will be improved is not increased.

Not only is it essential that the woodlands now existing in the settled parts of the Province be maintained and properly used, but also that such portions of our lands as are not well adapted for agriculture, should be planted with trees at the earliest possible moment. It is not to be supposed nor is it suggested, that good arable land which has been laboriously cleared and fitted for the production of cereal crops should be allowed to lapse into a state of nature, or be planted with trees for the purpose of producing a wood-lot, but it is urged that the rough and unprofitable tracts of lands to be found in even the best sections of our country should be utilized in this way, so as to be of direct benefit in furnishing such wood material as is ordinarily required for farm purposes and for the purpose of conserving moisture, protecting the springs and streams, forming windbreaks, binding the soil of hillsides and conducting lightning. No doubt the very best timber produced is that grown upon land which is the most perfectly adapted for agricultural purposes, yet it fortunately happens that there are amongst our native trees, many species yielding useful wood which will thrive well upon soils and in situations unfit for profitable cultivation. There is in fact no rough land upon which some class of tree will not grow to serve a useful purpose.

Effect of Trees Upon the Water Supply.

During the past twenty-years the progress made in agriculture in Ontario has been very rapid; our farmers having as a rule fully realized the fact that if they are to succeed in keeping the productions of their soil in quality and quantity equal to that of other nations, they must acquire a knowledge of the natural laws which govern the production of plant and animal life and apply that knowledge to their every day practice on the farm. By careful cultivation the mechanical condition of the land, has in many cases been brought well up towards perfection and by the proper rotation of crops and scientific manuring the soil has been well supplied with plant food, yet only too often there is a failure in obtaining expected results because of an insufficient supply of that most necessary element, water.

The quantity of water required by plant life is enormous. Mr. Lawes found that in a plant of any one of our ordinary grain crops more than two hundred grains of water must pass through it for a single grain of solid substance to accumulate within it. He states the evaporation from an acre of wheat during the period of its growth to be 114,860 gallons, with clover it is rather more, with peas and barley less.

As this supply of moisture is furnished by the water in the soil it is necessary in order that the plant can develop itself normally that the soil moisture shall be equal at least to the volume of water given off by the leaves. Should this equality be disturbed the leaves droop and dry up and the plant will eventually die.

Water is the vehicle by means of which the mineral food of the plant is carried from the soil to its leaves, it is also necessary to keep the cells expanded, so that the plant may have sufficient rigidity to enable it to maintain its natural position and so permit all its parts to perform their various func-

tions. An ample supply of water therefore, is the first essential to the production of crops, without it, the most skilled tillage is labour lost, and the richest plant food will lie in the soil unavailable to the plants for which it was intended.

The management of the water supply thus becomes one of the greatest problems the farmer has to solve; upon it depends the success or failure of all his efforts and with the solution of this ploblem, the forestry problem is most intimately connected, for without the maintenance of a proper proportion of woodland, no systematic water management is possible to us.

Of late years the failure of our springs and streams has been very noticeable, wells have gone dry which never were dry before and constant stirring of the soil in cultivated fields has become a necessity in order to keep the crops growing at all; this certainly has not been caused by any deficiency in rainfall, for of that during the past two or three years, there has been ample. That the precipitation of water either in the form of rain or snow has not been scanty is evidenced by the fact that Lake Ontario has been for sometime and still is much higher than it has been for many years; yet in most counties conditions approaching a water famine are existing. These constantly recurring droughs are becoming a very serious matter, they used not to occur in former years as often as they do now, nor when they did occur, were the streams, springs and wells affected to an appreciable extent. The reason for this should be patent to every farmer who sees in the spring, the water from the melting snow running rapidly over the surface of the land and pouring into the streams converting them for a time, into raging torrents of muddy water, which develop into a flood when they join the river below. During the summer months the greater part of the rain which falls passes off in precisely the same way, a few hours precipitation sufficing to fill the channels of the streams with a great volume of surface water which carries with it to the lakes a vast amount of plant food leached from the soil and the small quantity of water absorbed by the surface of the land being exposed to the action of the sun and the drying winds which sweep over it, is evaporated too quickly to be of service to the crops and cannot by any possibility penetrate deep enough to replenish the underground springs which supply the wells. Thus it is that in all countries, having a similar physical conformation to ours, when the land has been over-cleared, droughts and floods alternate, rendering in the end successful agriculture impossible and causing serious injury to all other industries. This is no new experience: Mesopotamia once a paradise of fertility has become a waste by reason of over-clearing. Palestine almost equally celebrated, is now barren from the same cause. Greece and Sicily have lost their productiveness and some of the most fertile districts of France have suffered severely from the effects of excessive deforestation. In 1803, The Agricultural Society of Marseilles asked the government to intervene on the ground that "The winters have become more severe, the summers drier and hotter, the beneficial rains of spring and autumn fail; the Méjeanne river tears away its banks after the slightest thunder storm and inundates the richest meadows, but nine months in the year its bed is dry, since the springs have given out and irregular and destructive thunder storms are of more frequent occurrence." For some years the Eastern United States have had to contend with the same difficulties but strenuous efforts are now being made by the people of that country to overcome them by conserving the woodlands still remaining and by re-planting where trees are required.

Not only is the failure of the springs and drying up of the streams by reason of excessive clearing a matter of supreme concern to the farmer, but the possible loss of valuable waterpower through the destruction of the na-

tural reservoir for the snow water, is a cause of anxiety to all classes of the community. Power obtained from electricity will undoubtedly be a most important factor in the industrial development of the Province and the cheapest method of generating electricity is by using the force of rivers and streams.

A proper proportion of tree cover on the land, conserves the water derived from the snow of winter and the rains of summer and regulates its distribution at all seasons in such a way as to provide a continuous and even supply for all purposes in nature; by changing surface drainage into subsoil drainage and by lessening the evaporative effects of sun and wind. It keeps the soil porous and with its deep reaching root system assists the percolaton of water from the surface to the soil beneath. Water falling upon tree covered land finds its level underground and furnishes the required constant supply to the fields, replemishes the underground springs which feed the streams and ensures their regular and even flow. There is also a natural process at work, which causes water to rise to the surface from greater depth in the soil than the roots of our cultivated plants can reach, bringing with it as it rises soluble plant food which would be otherwise unavailable, in this way the fertility of land well supplied with soil water is kept up under heavy cropping.

The Woodlot.

One of the greatest conveniences a farmer can have upon his property is a woodlot, well stocked with a variety of thrifty well grown trees, upon which he can draw, as occasion requires, for such wood material as he needs for his own use; with some to spare, at times, for the market. Not only is it to be considered as a convenience, but if properly situated and well managed, it can be made to produce as good a profit upon the money invested in it, as any other part of the farm, this, of course, would hardly be the case if the best quality of arable land was used for the production of ordinary timber. The wood lot should occupy the poorer parts of the farm, rocky or stony land, the thin-soiled ridges, very dry sand tracts and such wet or swampy places as are not well fitted for agricultural purposes. There is a great deal of land of this sort throughout the Province now under cultivation which has never paid for the labour put upon it and never will. Even in our best districts there is too much land worked unprofitably. Ridges crop out upon which the soil is too thin to support a growth of cereals. Swampy places there are, of large extent too wet and sour for cultivation, and small irregular fields which cost more than the crop is worth to work. All such places as these and the odd corners and fence rows would support a growth of timber, not only valuable in itself, but which would have a wonderful effect upon the fields and orchards in conserving moisture, acting as windbreaks and providing shade for cattle.

In order to meet the requirements of an ordinary farm it is desirable to have a variety of species of trees growing in the woodlot, both because it is generally considered that a mixture of species is easier to manage, under farm conditions than any one species alone and because it will then furnish the necessary variety of wood products. Certain classes of trees are, however, only adapted to certain sites and soils and while they may exist and even make growth in situations unsuited to them, yet under such circumstances they will never attain satisfactory development. This is a matter that requires consideration when planting has to be done and also when thinning is necessary for the improvement of the lot. In the latter case trees not well adapted to the locality or soil should be taken out first, that the growth of more suitable species may be encouraged.

The uses to which farm grown timber can be put, are almost incalculable and the demand insaliable, even such poor varieties as the poplars and willows have a commercial value sufficient in many places to make their production profitable, apart from their indirect value as soil binders, windbreaks and cover crops, while white pine, tulip, walnut, oak, ask, hickory and some others, are standard woods in the markets of the world. With the exception of white pine the bulk of these woods, so far as we are concerned, will have to be drawn from the farmers' woodlot. And so long as present conditions exist the fuel of the rural districts will be derived from the same source. First-class dimension timber can generally only be produced under real forest conditions and some considerable time is required for its growth, but it is often possible to carry a certain proportion of trees for this purpose in the ordinary woodlot.

Where several kinds of trees are grown together some care must be exercised if a proper proportion of each is to be maintained. Inferior but fast growing trees must be culled out from time to time as they reach useful size, while the more valuable species if of somewhat slower growth should be protected and encouraged. Special attention requires to be paid to the light requirements of the saplings of each variety at each stage of its growth, and if it is intended to provide indefinitely for a constant supply of timber to meet the demands of the farm or market, good judgment must be used when cutting out trees in order that a regular succession may be kept up.

Various systems of managing a woodlot may be adopted both to ensure permanance and profit. Where only firewood fencing, hop poles, box lumber or such small stuff is required and the woodlot is composed of deciduous trees only, the copse or coppice method, viz., growing from sprouts, will do very well, but if dimension timber is desired or a growth of pine, spruce, hemlock or other coniferous trees is the object to be attained, the coppice system is not available: in such cases natural seeding or re-planting are the only sources to be relied upon to keep up the supply. Planting is always troublesome and more or less expensive but may under certain circumstances become absolutely necessary. Natural seeding costs nothing, is no trouble and is the most certain and in every way the most satisfactory method of keeping the woodlot up to its best standard of production. A proper proportion of seed bearing trees should therefore be retained in such positions over the whole lot, as to ensure their furnishing sufficient seed to re-plant each portion of the wood lot as the timber is taken off it. This does not mean the maintenance of a lot of old trees upon the land until they shall have lost their usefulness as timber, but merely until such time as the cleared area surrounding them produces a strong growth of saplings from the seed which they have dropped. Provision for this can best be made by doing the annual cutting upon a regular system under which the young growth outside the area to be cut over will be safe from injury and the cleared portion will be at once seeded by the seed bearing trees left for that purpose. In some parts of the county there are still woodlots in the possession of farmers which have been regularly and systematically cut over for thirty or forty years but which show no signs of deterioration simply because the work has always been properly done with a view to the reproduction of the trees and care has been exercised at all times to avoid the destruction of the saplings.

It is sometimes urged by farmers who probably have given but little thought to the matter that tree planting or more careful management of existing wood lots would never pay, that the returns would be so slow, they would never in their lives reap any benefit from their work and outlay. It has already been said that from a financial point of view it might not be advisable to plant trees on good arable land, for the purpose of converting it

into a woodlot, because the direct benefits to be derived from tree planting are not immediately convertible into cash, nor would the returns, calculated yearly, from such land be as great as from ordinary field crops but with lands not well fitted for agricultural purposes the case is different, from land of this class tree culture would undoubtedly give a larger and more certain profit than could be obtained from any other crop; while the indirect benefits of tree covers as soil binders, wind-breaks, and in the conservation of moisture and the protection of springs and streams would be very quickly realized and appreciated.

Not only is it possible to show that the farms of the country would speedily receive practical benefits from tree planting, but also that in actual money return the investment would in a few years be a paying one. Take for instance a rocky thin-soiled hillside which is now producing nothing but scanty pasture for a few weeks each season; scratch this over in any way possible and seed it thickly with chestnut, walnut, hickory, white oak and white pine, where these will grow, substituting others for them, where they will not. If the growth is as successful as it should be, the first thinning can be made at the end of ten or fifteen years, when a large quantity of hop poles, etc., would result in a few years another crop of the same character could be taken, of more value than the first and from that time onward fair yearly interest on the investment will be obtainable.

Dimension timber can be obtained from straight clean grown trees of any reasonable size and this necessary size is attained in very much less time than is generally supposed, of course soil and situation has as much to do with the growth of trees as with every other form of plant life. In this Province tree growth is fairly rapid where ordinary conditions prevail. The following dimensions have been attained by planting trees in Ontario in the times stated and may be considered to show the average rate of growth under favorable circumstances.

Elm.

Three trees taken from the woods, when about six inches round the stem and eight and nine feet high; at forty-five years old, measured at three feet from the ground were:

(1). Sixty feet high, eight feet in circumference (30.6 inches in diameter).

(2). Sixty-five high, eight feet two inches in circumference (31.2 inches in diameter).

(3). Sixty feet high, seven feet nine inches in circumference (29.6 inches in diameter).

Red Oak.

Planting as a sapling in forty-eight years attained a height of fifty feet and measured five feet eight inches in circumference, at four feet from the ground. (22 inches in diameter).

Maple.

Three trees (species not stated) taken from the woods when six or seven feet high, attained in forty-eight years:

(1). Sixty feet high, six feet five inches in circumference, (20.7 inches in diameter).

(2). Fifty feet high, six feet in circumference, (23 inches in diameter).

(3). Fifty-five feet high, six feet in circumference, (23 inches in diameter).

The circumference of these trees was measured at four feet from the ground.

Butternut.

A tree forty-eight years old measured six feet in circumference (23 inches in diameter) at four feet from the ground and attained a height of seventy-five feet.

Ash.

Two ash trees (species not stated), at fifty years of age attained respectively heights of fifty-five feet and sixty feet and in circumference measured six feet (23 inches in diameter), and six feet five inches (24.5 inches in diameter) at three feet from the ground).

White Pine.

Two, which had been planted fifty years, attained a height of between sixty and seventy feet, and measured in circumference at four feet from the ground, five feet (19 inches in diameter), and six feet six inches (24.8 inches in diameter) respectively.

Experiments with the Black Walnut as far north as Lindsay prove this to be a valuable species for planting. Trees in fourteen years from the seed, attained a height of twenty feet and were eighteen to twenty-one inches in circumference (5½-6½ inches in diameter).

That the Poplars are very rapid growers is well-known, a number of Lombardy Poplars measured when twenty-two years old gave circumferences from six feet (23 inches in diamenter) to eight feet four inches (32 inches in diameter).

It will be seen therefore that within about forty-five years; properly transplanted trees will attain sufficient dimensions to render them of great value for any purpose for which timber of moderate size is suitable and that where close planting is practised (as it should be) the woodlot can be relied on to give fair returns in the meantime.

It is often said that the farmers of this country compose the one perfectly independent class of the community no matter what may happen to the other industries in which our people are engaged the farmer's lands will always supply him with all the necessaries and many of the luxuries of life. This was perfectly true so long as the land bore its fair proportion of trees, but of late years owing to the excessive and wasteful clearing which has been done the farmers have become dependent upon the miners and the railways for their fuel, and will (if prompt steps are not taken to prevent it) shortly have to resort to some system of irrigation for water. The fuel question is a very serious one. During the winter of 1901-2 the coal workers strike in the United States brought home to us with startling force, the fact that we were dependent entirely upon a foreign country for heat and power. A coal famine was experienced and great suffering and loss resulted. Up to that time no such possibility had been contemplated by our people and no provi-

sion made to meet such a case. Many things, however, may arise to cause a repetition of the trouble and every year that passes sees our local and natural fuel supply diminishing. This must be remedied and steps to that end should be taken at once for how in our climate can business be carried on or people even exist through the winter months without a plentiful supply of fuel at reasonable cost? It may, however, be, that with increased knowledge of the forces of nature and their scientific application to every day life; substitutes for wood and coal as fuel may be found but there will still and must always be an ever increasing demand for wood products for other equally essential purposes.

Wind-breaks.

Under modern conditions, the farmer not only requires to cultivate his land to the best advantage, but must also provide for a constant water supply and to a certain limited extent regulate the climatic conditions of his farm. For the processes of nature no longer supply his soil with plant food, nor provide sufficient water in available form for his crops and live stock, and excessive clearing has laid his fields open to the injurious effects of alternate freezing and thawing in winter and of drying, and crushing wind storms in summer.

The effect of ordinary tree cover such as would be maintained in a well settled agricultural country, in producing increased rainfall is not likely to be great, but the influence of tree cover in conserving the water derived from melting snow or from rain, is of paramount importance. This effect is mechanical. In a thickly grown woodlot the action of sun and wind is reduced ed to its minimum, the snow melts slowly, and but little moisture is carried away by evaporation. Windfalls, dead leaves, twigs and branches cover the ground and form a mulch which keeps the soil beneath in a porous condition: the water is absorbed and held there for gradual and even distribution.

A few rows of trees grown as a wind-break or shelter belt also exercise a beneficial effect in the same way, by breaking the force of drying winds, whereby rapid evaporation is checked and thus more moisture is absorbed by the soil and remains available to the crops and also retaining the snow where it falls and delaying its melting in the spring. Where such shelter belts exist the snow cannot be drifted off the fields by the winds and when it melts is disapepars slowly, sinking into the soil rather than flowing off over the surface and carrying with it the soluble fertilizing elements exposed to its action.

To the fruit growers of the inland districts, the effect produced by this retention of snow is important. It results in checking the premature appearance of fruit blossoms and thus prevents injury by late spring frosts, operating in this respect in much the same way as large bodies of water are known to do.

The value of shelter belts to live stock is too well known to need special reference. Animals of all kinds instinctively seek the shelter of trees to avoid the scorching sun and drying winds of summer and the cutting blasts of spring and fall. The loss incurred by stock feeders and dairymen owing to the exposure of their cattle in pastures unprovided with shelter can hardly be estimated in dollars and cents, but it must each year, be far more than it would cost to establish wind-breaks on every necessary place about the farm. Some of the most troublesome insect pests which affect cattle, will not molest them when they are standing in the shade and relief from this annoyance alone, would result in improved condition and greater returns.

It would almost appear that the great majority of Ontario farmers have accepted the conclusion that fall wheat can no longer be profitably grown in this Province, a considerable acreage is however, annually sown, because the work can be done in the fall when other matters are not pressing, it is a useful crop to bring into the rotation and the straw is much needed for bedding, etc., but the yield is so small they doubt if it pays. The average yield is certainly small, something less than twenty bushels per acre, but is it necessary so? With all our increased knowledge and improved methods of cultivation, cannot this valuable cereal be grown as successfully as it was formerly?

Up to forty or fifty years ago even with the very rough system of farming that was practised in those days and despite the fact that the fields were encumbered with stones and stumps to such an extent, as to occupy a considerable portion of the available land, the average yield of wheat seems to have been nearly double what it is now. Exact statistics covering that period are not obtainable, but there are many records brought down to us proving that very large crops were harvested; forty to fifty bushels being a common yield and in good seasons and under favorable circumstances even now.

Some years ago an effort was made to ascertain the cause of the failing yield of the fall wheat crop. Experienced and prominent farmers from nearly every county in the Province were asked for their views on the matter and the result of the enquiry showed: That there had been a gradual decline in the yield of fall wheat since the country had been over cleared. Farms protected by bush on the north and west uniformly produced good crops, while on those exposed, the wheat was always injured or winter killed.

The same conditions prevail to-day, where shelter exists, wheat can be successfully grown and if modern methods are adopted, the yield should be greater than it ever was. The effect of cutting away all the bush was to allow the wind to sweep across the fields and carry off the snow, which, if allowed to cover the crop protects it from the intense cold of winter and the evil effects of alternate thawing and freezing towards spring, this last process being particularly fatal to wheat and causing much loss by heaving clover. A solid bush is not necessary for the purpose of furnishing the needed shelter, nor to prevent drifting. Well placed wind-breaks composed of a few rows of trees will answer the purpose perfectly and well repay the money and care required for their establishment.

Situated on the high ridges and along the top of slopes, a belt of trees will give effective protection against the high windstorms which frequently occur with or immediately after the summer thunderstorms. If these storms occur in over cleared districts when the grain is heavy in head, the crop is sure to be so badly beaten down that it cannot rise again, it is then difficult to harvest and the yield is sure to be largely reduced. As these winds travel with great velocity parallel to the surface of the earth, any obstruction, strong enough to resist them will naturally turn the current of air upward and so deflect it as to protect the land under its lee for some considerable distance.

In districts devoted to market gardening or fruit culture, the protection to be obtained from such shelter belts may be an essential to success in preventing unreasonable frosts. It is not to be understood, however, that narrow belts of trees suitable for windbreaks would have an appreciable effect on the general climate of a wide area of the country, but for local purposes,

the planting of ridges and hill crests and the consequent heightening of these elevations, will result in the creation of currents which will carry off the cold air and prevent it from settling on the lower lying lands thus largely reducing the possibility of late spring and early autumn frosts.

Good shelter belts can be made by planting two or three rows of evergreen trees placed about ten feet apart, with a distance between the rows, of five feet. They should be planted so as to break the spaces between the trees in the rows. A shelter belt planted in this way with two rows on the north and west sides of a square ten acre field would require two hundred and sixty trees. The best trees for this purpose are the Norway Spruce, the native White Spruce, White Cedar and the European Larch. The last named is not an evergreen, but it throws out a great number of small interlacing branches which afford good protection. Hard Maple may also be used to good effect.

Bank and Hillside Protection.

In many parts of the country steep hillsides, and the banks of streams have been entirely cleared of the trees which once covered them, the result being large areas of land totally waste and unproductive. These banks are now perfectly bare; the drying action of the sun and wind scorches every form of vegetation as soon as it germinates and the water of melting snow and rainfall erodes and gullies the soil, carrying vast quantities of it on to the flats below and into the streams which drain them; by this means many acres of good pasture land are temporarily and in some cases permanently ruined and the once clear gravelly streams are choked up and converted into muddy ditches, the spawning beds are destroyed and no valuable fish can live in them. The losses caused by clearing the lesser banks and hillsides has already been very great, but if the destruction of trees now being carried on along the steep slopes of our mountain sides is persisted in the consequences will be more serious still. In all countries where the mountain slopes have been divested of their timber, landslides which cause great loss of life, and destroy much property, are of frequent occurrence and many once fertile valleys are now rendered uninhabitable from this cause.

Where very steep banks and hillsides have been entirely cleared and the soil is much gullied out, some difficulty may be experienced in establishing a new growth of valuable trees. In most cases it will be found necessary first, to bind the soil and obtain cover, by planting willows or poplars and after these have attained sufficient size to afford shade and prevent erasion, more useful varieties may be introduced amongst them, Willows are very rapid growers and are unexcelled as soil binders. They can be very readily grown from cuttings roughly planted in the spring and unless the conditions are very bad will usually establish themselves sufficiently during their first season to be safe.

In some parts of the country a good deal of fertile land is rendered uncultivateable owing to the winding of the streams which traverse it. In others the waters are constantly undermining the banks causing them to cave in, by reason of which various troubles may arise. Attempts are sometimes made to control such waters by cutting straight channels through which they may flow; the banks of such channels are, however, almost certain soon to be washed out, with the result that the stream is constantly polluted or choked up by the soil carried away. This difficulty can be avoided by planting willow cuttngs in the banks of such channels along the water's edge. The roots formed by the growing plants will soon bind the soil suffi-

ciently to protect the banks against the action of the water, even when in freshet. The white willow is admirably adapted for this purpose, the ease with which it may be propagated and the rapidity of its growth making its use very simple and effective. Cut banks should slope gradually to the water's edge, if left perpendicular they are likely to wash out so rapidly that the cuttings are liable to be undermined and thrown into the stream before they can obtain roothold.

Trees as Lightning Conductors.

The general impression that thunder storms occur with greater frequency since the excessive clearing of the land and that more property is annually destroyed by lightning is undoubtedly correct. Statistics gathered in the United States and Canada show an ever increasing number of barns and farm buildings burnt after having been struck by lightning during the summer storms. Careful analysis of these reports shows, however, that farm buildings can be rendered comparateively safe from lightning if properly protected by trees. The trees should be so planted that their branches when fully developed will not touch the buildings. Groups of tall growing trees such as elms, maples, etc., at a distance equal to the height they will attain, from the buildings they are intended to protect should answer the purpose perfectly well.

Trees do not afford protection because they are more liable to be struck by lightning than buildings, but by reason the fact that when growing in groups they draw off harmlessly the electric fluid which would be concentrated over a single tree or building and then discharged in greater quantity than can be immediately conducted to the ground.

Conclusion.

Just as a chain is useless with a defective link, so successful agriculture cannot be carried on if any one of the essential elements be missing. A soil well stored with mineral plant food must be provided; the land must be cultivated to bring it into proper mechanical condition and render the required minerals available to the crops, and then a regular and sufficient water supply must be mantained to enable the plants to utilize the food contained in the soil and to perform all their natural functions. There are, of course, other factors necessary to the successful production of the various plants we cultivate, such as light, air, heat, etc., but these are not controllable in ordinary farm practice. Of late years great improvements have been made in our methods of cultivating the soil and manuring; but the effect of this has to a considerable extent been offset by an insufficient water supply during the growing season. It is therefore, absolutely necessary, if we are to maintain the best conditions for agriculture in this Province that immediate steps be taken, by the farmers themselves, for the regulation and conservation of a sufficient water supply and this can only be profitably or economically done by the planting of our waste lands with trees and the maintenance of the wood lots now standing. It is not meant that no trees should be cut, that would be poor policy and wasteful in the extreme, but that when cutting is done, proper care should be exercised to protect the young growth and a system adopted which will insure the reproduction of sufficient trees to replace those necessarily taken out.

In many sections of the Province there are wide areas of rough land from which all valuable timber has been stripped. Upon these lands a good

growth of seedlings has sprung up which would soon become established and form good trees, were it not for the fact that cattle, etc., are permitted to run at large there at all times. This is a most injurious and wasteful practice for nothing is so disastrous to young trees as the browsing of animals. Even if the trees are not killed outright, the top shoots will be eaten off with the result that the shaft of the tree will be crooked and so deformed as to be of little value. Where it is intended that a wood lot shall be maintained for any purpose whatever, animals should be prevented from running in it more particularly should this be observed where tree cover is required, for the protection of springs and streams and mountain or steep hillsides, in such cases the undergrowth is of much importance in preventing evaporation and binding the soil, so should be protected rigourously.

In these pages I have dealt with this subject almost entirely from an agricultural standpoint leaving out of consideration any details connected with the question as to whether or not, it would be profitable to grow timber for commercial purposes. I have already said, however, that for the future, we shall undoubtedly have to look to the farm woodlot for our supplies of some of the most important and expensive timber and it is certain that the trees which will produce this valuable timber can be successfully grown upon much of the farm land now lying waste and unproductive. The planting of such lands then must assuredly be a profitable investment, apart from the beneficial effect such planting would have upon the climatic and agricultural conditions of the country.

LECTURES ON FORESTRY

—BY—

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OF FORESTRY.

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INTRODUCTION

These lectures were delivered under the auspices of Queen's University and the School of Mining, Kingston, by Dr. Fernow, Director of the New York State College of Forestry, in January, 1903.

At a conference held at Queen's University in January, 1901, to consider the general forestry interests of the Province, Dr. Fernow delivered a lecture on the same subject which attracted so much attention that the authorities of the University secured him to deliver a series of lectures on Economical Forestry, which lectures are here re-printed. Although the course of lectures was designed for the advanced students of Engineering, Economics and Biology, they were attended by numbers of citizens besides the students.

The lectures were printed in pamphlet form by the School of Mining, and through the courtesy of Dr. Fernow and Prof. W. L. Goodwin, Director of the School of Mining, we are allowed to reproduce them as an appendix to the Report of the Bureau of Forestry.

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WHITE PINE FOREST."

LECTURE I.

THE FOREST AS A RESOURCE.

It may be stated without fear of contradiction that outside of food products no material is so universally used and so indispensable in human economy as wood. Indeed, civilization is inconceivable without an abundance of timber.

The nomad of to-day, who herds over the treeless plains and prairies, is still like the Scythian of ancient times; his life, his culture, his attainments are no more advanced. The successful settlement and civilization of our own treeless regions of the west became possible only through the development of means for the transportation of this most needful material. So general and far-reaching has its use become that a wood famine, however improbable its occurrence, would be almost as serious as a bread famine. We may become less wasteful, both as regards food and wood, but the necessity of wood, so far as we can foresee at present, will always be second only to the necessity of food, and far greater than that of any other material used in the arts.

Our civilization is built on wood. From the cradle to the coffin, in some shape or other, it surrounds us as a convenience or a necessity. It enters into nearly all our structures as an essential part. Over half our people live in wooden houses, and the houses of the other half require wood as an indispensable part in their construction. It serves to ornament them, to furnish them with conveniences, to warm them, to cook the food. More than two-thirds of our people use wood as fuel, and until recent times it was the only or principal means of smelting the ores and shaping the metals with which to fashion the wood itself. For every hundred tons of coal mined, two tons of mining timber are needed, and wood in large quantities is needed to mine our metals.

Every pound of iron, every ounce of gold, requires wood in its mining, wood in its manufacture, wood in its transportation. There is hardly a utensil, a tool, or even a machine, in the construction of which wood has not played a part, were it only to furnish the handle or the mould or pattern.

The articles, useful or ornamental, made wholly or in part of wood, are innumerable. Our houses are filled with them, our daily occupations necessitate them wherever we are. For our means of transportation we rely mainly on wood. Our 260,000 miles of railroad track (190,000 miles railroad in the U. S.), the carriers of civilization, lie on not less than 700,000,000 of wooden ties and need 140,000,000 annually for renewals; they

run over more than 2,000 miles of wooden trestles and bridges, they carry their passengers and freight in over 1,000,000 wooden cars, and much of the millions of tons of freight is shipped in wooden boxes and barrels, and stored in wooden sheds. Ten million telegraph poles are needed to keep up communication between distant markets.

The forest furnishes the cooperage to market our vintage, to store our flour and fruit. The forest furnishes the plough handle and harrow frame to cultivate, the threshing machine and windmill to prepare the crops, the cart to bring them to market, the bottoms in which they cross the ocean to foreign marts, and even the tar and pitch needed to keep the cargo safe. While iron ships have largely replaced the wooden bottoms in ocean travel, our coastwise and inland shipping, which requires in the United States a tonnage twice as large as in the transatlantic trade, is carried mostly in wooden ships. We are rocked in wooden cradles, play with wooden toys, sit on wooden chairs and benches, eat from wooden tables, use wooden desks, chests, trunks, are entertained by music from wooden instruments, enlightened by information printed on wooden paper with black ink made from wood, and even eat our salads seasoned with vinegar made from wood.

The uses of wood, multifarious now, are constantly increasing. With the manufacture of wood-pulp and cellulose, an entirely new direction of use has been opened; originally designed to furnish a cheap substitute for linen paper, its application in many ways is growing daily, and promises for the future the largest drain on our forest resources, the manufacture of wood-pulp having increased more than three-fold in the last ten years.

To give briefly an idea of the extent of our own wood consumption, (including exports), we may say that, if five persons are counted to a family, each family in the United States and in Canada as well, uses on an average about 3,000 cubic feet or about 120,000 pounds of dry wood per year, the annual product of at least 60 acres of forest.

The reasons for this universal and varied application of wood may be found in several directions. In the first place, the general occurrence of forest growth and the ease with which wood can be obtained and shaped directly to the purpose in hand made it, naturally, the material of earlier civilizations; but there are certain qualitites in addition which will make its use always desirable, if not necessary. In the combination of strength, stiffness, elasticity, and relatively light weight, it excels all other known materials. Not only is a stick of long leaf pine superior in strength to one of wrought iron of the same weight, but employed as a beam it will bear without bending a load six to eight times as great as an iron bar of the same length and weight. Moreover, the wooden beam will endure greater distortion than the metals without receiving a "set" or permanent injury.

The ease with which it can be shaped and keeps its shape, the softness and yet unchangeableness, but especially its non-conductivity of heat and

of electricity, which makes its use more comfortable than that of metals, in addition to its light specific weight and many other qualities, recommend it for many purposes in preference to other materials.

But above all things, its cheapness recommends it. We are paying now, leaving out fancy woods, at the most, 60 cents per cubic foot for the best wood, shaped, as against $5 to $10 per cubic foot for iron in sheets or bars. Moreover, it is the only material of construction which we can produce and reproduce at will, while we know that most other materials now in use must be sooner or later exhausted.

Other materials have displaced wood in some uses, but other uses have arisen for wood, and often the substitutes have again been displaced by wood, when its superiority or peculiar qualities have been more fully recognized. Even in such nicely balanced structures as the bicycle, for which metal seemed the only proper material, wood has proved itself superior, at least in certain parts.

A remarkable instance of this return to the use of wood instead of metal is that for factory and warehouse construction in order to reduce danger from fire, it having been found that in case of fire iron beams and posts are twisted out of shape by the heat, causing the collapse of the whole building, while with wooden posts and beams the chances of keeping the walls intact are much greater.

Coal has largely displaced wood as fuel, yet according to the census of 1880 more than half of the population relied still on wood for fuel, and there is no reason to believe that the proportion has changed measurably.

In fact, if we may be allowed to consider the figures of the census of 1880 still proportionately true, as far as bulk is concerned, our fuel consumption represents about three-fourths of our total wood consumption; and even in value this part represents nearly one-half of our entire enormous consumption of forest products of the United States, and exceeds in bulk more than ten times the iron and steel handled in that country.

The development of the cellulose and wood-pulp industry with the consequent extension in the use of paper, made from this material for all kinds of purposes where elasticity and durability combined with strength and lightness is demanded, from collars and cuffs and combs to car wheels, has given new and constantly growing employment to wood.

Considering, moreover, the very extensive and the very varied employment of wood, it will be apparent that substitution by other materials cannot be readily accomplished, and means inconvenience, and, in many cases, decrease of comfort. Hence, large wood supplies are, and unquestionably will continue to be, an indispensable requirement of our civilization, almost like water, air and food.

Besides wood supplies, the forest furnishes other material of no small value. Of these, two classes at least give rise to industries of considerable extent, namely, the tanning industry and the naval store industry.

The bark of certain trees, notably the hemlock, and the oaks among our native species, contain the chemical compounds known as tannic acids, which serve for the manufacture of leather.

Thus 1,500,000 cords of tan bark, worth about $10,000,000, which are used annually in the U. S., entailed formerly a sacrifice of nearly 1,000 feet of lumber per cord of bark; of this now probably the larger part is saved.

The naval store industry, concerned in extracting from the living trees of certain kinds of pine, especially the Southern long leaf pine, and from other species, the resinous contents, and by distillation obtaining turpentine, resin of various kinds, and tar, is indebted to the forest to the extent of about $20,000,000 per year in the United States.

A similar industry is the tapping of the maple for sugar, which is peculiar to the United States and Canada, producing with over 50,000,000 pounds of sugar, and 3,000,000 gallons of syrup, values to the extent of $6,000,000 annually.

Finally, by distillation of the wood itself and condensing of the gaseous products, considerable amounts of wood alcohol, wood vinegar, and acetates, creosote, and other tar oils useful in the arts, are derived, adding another $3,000,000 or more to the annual revenue furnished by the forest resource in the United States.

While the value of the raw forest products consumed every year in the United States at places of consumption, roughly shaped for further use, may be placed at $600,000,000! this is enhanced by their further manufacture to over $1,200,000,000, thus making the result of the forest industries second only to those of agriculture, the value of whose products reached in the census year (1890) nearly $2,500,000,000 while the total production of metals which could in any way replace wood—gold and silver and iron included—reached only $270,000,000, and the entire mining industry (quarries and every kind of mineral or earthy product included) but little over $600,000,000.

As civilization advances so does the use of wood increase, and during the last 40 years this increase has been most remarkable. Great Britain, having hardly any wood lands of her own, stands first as an importer of wood, importing last year wood to the value of $125,000,000 (20 per cent more than her pig iron product). During the last 40 years the amount of wood used in that country has been increased 200 per cent. while her population only increased 42 per cent. France in the last 70 years, with an increase of population of 20 per cent., has increased her consumption of wood 700 per cent. Germany is, next to Great Britain, the greatest importer of wood, increasing its imports by 400 per cent. in the last 40 years, or 3½ per cent. per annum. These remarkable increases are doubtless due in part to increased manufactures of wood for exportation, but the all-around increase is consequent upon the demands of advancing civilization.

Similar increases in per capita consumption can be shown from the census statistics in the U. S., which is probably the largest wood consumer in the world, with 350 cubic feet per capita consumption, while in Germany the consumption is only 43, and in Great Britain about 15 cubic feet.

The statistics of Canada show that the value of the forest products in 1891 was $80,000,000, of which $56,000,000 was used at home while she exported lumber and other products to the value of $24,000,000. This was an export of $15.60 per capita and represented a consumption of 250 cubic feet per capita as compared with Great Britain's 15 cubic feet; moreover, the wood consumption in Canada is increasing very rapidly. Ontario alone derived a revenue of $1,276,000 from timber licenses and dues in 1901, showing that this province can well afford to establish schools of forestry as a business proposition. ,

Statistics show that Canada has 800,000,000 acres of wood land, but of this vast acreage probably not fifty per cent. may be considered as forest land fit for timber production, the rest perhaps able to satisfy domestic and pulpwood demands, but not to be considered in connection with the timber requirements, which at the present rate of consumption amounts to 5,000-000,000 feet per annum; only under proper supervision will this area of less than 400 million acres, much of it badly damaged by fire, continue to supply growing demands for a long time. With the decrease of supplies in other countries and the increase of their needs for imported wood products, the value of Canada's remaining forest wealth, will appreciate and readily repay the care bestowed on it.

To sum up:—Consumption of wood is so enormously and constantly increasing, that, in spite of substitutes, wood will remain a necessity.

Natural supplies, however abundant, must give out unless we can and do reproduce them.

Nature's reproduction is uneconomic in character, space and time; and hence man's action becomes necessary, giving a more rational treatment to forests everywhere.

Forestry becomes the necessity of every country, and especially for those countries that have large supplies and are bound to be great timber producers in the future.

The natural forest resource as we find it, consists of an accumulated wood capital lying idle and awaiting the hand of a rational manager to do its duty as a producer of a continuous highest revenue.

Such management, however, it does not receive in the crude exploitations to which it is subjected in all newly developed and developing countries; on the contrary, the wasteful use of the soil is only intensified; for these exploitations, the operations of the lumberman, consist in a mere removal of the valuable portions of the growth, a cashing of the accumulated wood capital, without the slightest reference to future revenues which might be derived from it in the shape of wood growth. In fact, he does

not recognize or consider that the forest is not merely a mine, but a reproducible resource—a living, growing crop, the product of the soil and climate, which can be reproduced *ad libitum* in even superior quantity and quality to what nature alone and unaided has done.

His methods of removing the standing timber are not only wasteful. but they decrease the capacity of the land for producing valuable timber.

By culling out the most valuable kinds, leaving undesirable kinds and poor trees to shade the young growth that may have developed, he prevents the reproduction of a valuable crop, and hence such culled areas, while they still appear as forested, have often lost their entire value as producers of useful material; the growth on the land being an encumbrance rather, to be got rid of first, before profitable use of the soil, either for agricultural crops or for useful wood crops, can take place.

The rational way in treating the resource of virgin woods, from national economic if not from private pocket interest would be as far as possible to prepare first for a desirable reproduction by cutting out the poor kinds and the useless brush, then logging out first only the largest trees of the better kinds with proper precaution against injury to younger growth. and against fires, then gradually, as younger trees grow on, the older ones may be harvested and as much as possible in such a manner that the young after-growth is given room and light.

Thus, by mere care in utilizing the resource, not only can all the product be harvested, but a new crop, increased in quantity, can be secured. From such simple care we come to the finest methods of forestry, for these are only different in the degree of care, hardly in the kind.

By these methods man makes the forest resource produce easily the treble and quadruple of what it does when left alone; so that merely by the judicious use the capacity of useful production grows.

How much intensive management can increase the yield of the resource may be judged from the experiences of German forest administration. Here the forest resources are nearly if not entirely brought under rational management, and are treated as a crop, constantly furnishing harvests, and being reproduced without diminishing the wood capital.

Thus, the rather more extensively managed Prussian government forests, which with an area of 6,750,000 acres are perhaps also stocked on poorer soils or are less favorably situated, produced as an average for a series of years 42 cubic feet of timber wood (over 3 inches diameter) per acre, those of Bavaria 55, those of Baden 59, of Wurtemberg 67, while the most intensively managed state forests of Saxony, of only 430,000 acres extent, produced 90 cubic feet of wood per acre per year, of which 68 cubic feet was timber wood, the highest production for such a large area.

A further illustration of the increase in yield which comes with proper management of this resource is furnished by the Prussian state forest administration: while during the years from 1829 to 1867 the cut was in-

creased from 28 to 37 cubic feet per acre, and to 46.7 cubic feet in 1880, nearly double what it was in 1829, yet the proportion of old timber over 80 years,or stock of merchantible timber on hand, increased during the last 20 years of the period from 23 per cent. to 27 per cent., showing that the cut remained below the production. In the most intensively managed state forests of Saxony, the cut has been doubled in the last fifty years, and yet the stock of wood capital standing has increased over 16 per cent.; while in 1845, of the cut per acre of 56 cubic feet, 11 per cent. was saw timber; in 1893, of the 90 cubic feet cut, 54 per cent. was timber fit for the mill. The gross revenue increased during that time 234 per cent., and the net revenue over 80 per cent. A financial calculation shows that the state's property has not only paid 3 per cent. continuously in revenue, but has appreciated in value 24 per cent. by mere accumulation of material.

According to a conservative calculation based upon these experiences. the forest resource of Germany represents, in round numbers, a capital value of $180 per acre ($25 for the soil and $155 for the stock of wood) paying a constant revenue of 3 per cent. on such capitalization; or since there are somewhat over 35,000,000 acres of forest, their capital value is equal to $6,340,000,000, producing a continuous annual income of $190,-000,000. The state properties are, moreover, constantly improving, and the revenue constantly increasing.

While, to the casual reader, this showing may hardly appear as a very profitable business, we must not forget that the result is obtained for the most part from soils which would otherwise be unproductive.

It is apparent that we are bound to exhaust our stores in less time than they can be replaced. that we are not living on interest, but are rapidly attacking our wood capital—a process fully in keeping with the development of any new country, but also one against which reaction must set in in time. if serious consequences are to be avoided.

Such reaction may be secured first through a more economical use of the timber resources, for the per capita consumption in Canada falls hardly short of 300 cubic feet, nearly eight times that of Germany, and twenty times that of England, and hence a large margin is left for such economies.

Finally, however, forest management, as practiced in other countries. will become an unavoidable necessity to secure the continued production of needed wood supplies.

There is one factor of national importance resulting from the industries concerned in the conversion of our virgin forests, which does not at all, or not to the same extent, attach to them in other countries, and which, in the end, is of more moment than estimates of stumpage or land values or values of products can express. Not only does the lumberman with the systematic development of his business, which has enabled him to supply a superior article as cheaply as the inferior one is sold in Europe, give rise to many manufactories and industries, and render possible the development

of distant agricultural regions, which in turn renders profitable the building of railroads and the employment of labor, but he has been the pioneer in bringing the wilderness itself within reach of civilized influences; and while this has often been done at an unnecessarily extravagant sacrifice of much of our natural forest resources, the opening up of these back woods must nevertheless be considered as a potent influence for good, resulting from his business.

Per aspera ad astra, through rough work to civilization, is the history of the settling of the backwoods, which the logger has accomplished.

CORDUROY ROAD, NORTH HASTINGS.

Photo by Houghton W. Wilson.

Such settlement is necessary before forest management can be profitably applied to the remnants of woodlands; and while we may regret the wastefulness with which this settlement has been made, we must consider it as a necessary step toward an extension of civilized conditions.

LECTURE II.

WHAT IS FORESTRY?

DEFINITIONS AND PRIMARY CONCEPTIONS.

At this time, when the necessity of preserving the forest wealth of the world arises to prominence, general interest in Forestry should be aroused. Canada, on account of climatic conditions and the extent of non-agricultural land, is, and will continue to be, one of the great forest countries of the world, and rational management should succeed the mere exploitation hitherto practiced in her forests.

The word "Forestry" in its present sense is of recent usage, but in its origin a Latinized Teutonic word, originally meaning a portion of the land of a tribe held by the king or first man—the "Furst." From such use come the old definitions of the forest as a large, uncultivated tract of country, wooded in places, under certain laws—a legal term. The English kings thus reserved the right to hunt on stretches of country, over which forest-laws prevailed, and in charge of "Foresters," who were more properly the game-keepers of the king and his nobles. As understood now, we may call "woodland" the natural condition, land covered with woody growth, while in the term "forest" we add economic considerations, namely a woodland under man's care for forest purposes and exhibiting forest conditions.

As they supply different purposes, forests may be classified as *Luxury Forests*, for *Park Purposes*, reserved for game protection, *Protection Forests*, for the protection of mountain slopes and watersheds from erosion, and *Supply Forests*, which furnish material for the lumberman. This last forest purpose is the most important and direct one, while the second function is of moment only in certain locations, and all three can be subserved simultaneously.

In the pioneer days of a country there is first a rapid destruction of forests to clear the land, but, when the natural timber supply has diminished beyond a certain point, Forestry—the rational treatment of the forests as timber producers, becomes necessary, under which they are used and cultivated continuously for a wood crop as agricultural land is for food-crops.

The technical side of forestry is based on natural science, the economic side on mathematics and on political economy. The technical art of forest crop production, silviculture, calls for knowledge of botany and especially dendrology, or the physiology and biology of trees, as well as a knowledge of soil physics and chemistry to make the art an improvement on nature's methods producing the best form and largest quantity of wood in the

shortest time possible. But as the forester, like the lumberman, harvests his crop, considerable engineering knowledge must be added to business knowledge to carry on the business of forestry. While, then, forestry is to the statesman a policy of national interest, to the student a science, to the forest producer an art, it is in the end a business, to make revenue from the use of the soil through timber production. In Europe forestry has long been practiced, forest laws existing as early as the sixteenth century, but our modern forestry has been practiced in Germany over 150 years. In America forestry is a new word and a new art, which has come to the front as the shortage of the natural timber resource made it apparent as a necessity. In the United States the government has recognized this necessity for forestry, has instituted a Bureau of Forestry with annual appropriations reaching now the sum of $185,000 merely for investigation, and has set aside 60 million acres of forest reservations. Several of the States have adopted the same policy, notably the State of New York, which has reserved over one million acres under a forest commission and has also instituted the N. Y. State College of Forestry at Cornell University. Several other forestry schools have followed.

While in the United States large tracts of the timber land are held by private individuals and corporations, in Canada the Provincial Governments have displayed great foresight in retaining control of these lands, and the conditions are excellent for the organization of a system of forestry.

LECTURE III.

HOW TREES GROW.

The technical part of the art of forestry is called silviculture—the art that produces the wood-crop for the management of the forester. For an understanding of the treatment of trees *en masse,* the forester needs a knowledge of dendrology, the knowledge of trees in all details, and especially their life history, individual and in association. Often wrongly defined in terms of size, the tree is potentially existing already in seed and seedling—it is a woody plant, the seed of which is capable of producing a single stem from the ground with a definite crown.

Trees, growing from seed, are built up from cell growth, division and multiplication like other living organisms, and they have similar requirements. Unlike other plants, they have longer life and attain greater height, to lift their foliage to the light. Their remarkable height is built up, storey by storey, by shoots, which push out from buds and elongate from the tips of stem and branch. The age of the tree may thus be told, at least in young specimens, by counting the annual shoots, which are marked off from each other by a swelling of the stem.

Buds are developed at the end of the year's growth, the terminal bud or one near the end of the shoot annually continuing the height growth. Each class of tree has a different habit of bud development, and trees can be identified by their buds alone. The Conifers, with fewer lateral buds, than the deciduous trees, persistently develop the main stem at the expense of the branches, the shoot from the single terminal bud making rapid height growth. If the terminal bud of a pine be destroyed, the side buds usually carry on the growth and cause forking of the stem. Among hard woods the majority of the buds do not develop, but are either lost or remain dormant, the shape of the tree being dependent upon this bud development, so that the dense crown of the Beech from the development of many buds has a different appearance from the open crown of an Oak. The dormant buds remain undeveloped, continually pushed out beyond the wood of the surface each year, ready in case of necessity or accident finally to develop into shoots.

As the new buds are formed at the ends of the shoots each year, the tree might grow on forever, if each species did not grow within certain definite height limits, which depend on conditions of soil, climate and species. The moisture from the soil, the tree must raise to its foliage against gravity, and the height to which the water can be lifted is limited; some species offering more friction to the water current, cannot grow as high as others.

DENSE BEECH CROWN.

OPEN OAK CROWN.

Light is an important factor in tree growth, and the form of the tree varies with the light supply. In the forest the trees grow tall, with long, clear trunks and few branches, while in the open the tree is short and branchy with a large crown. The belief that the growth of the tree pushes its branches higher up on its trunk is erroneous; the bareness of the forest tree is caused by the loss of the lower branches for want of light. The open-ground tree retains its branches lower on the trunk, and consequently does not produce as good lumber, the limbs, that all start from the centre of the tree, each year's wood growth burying their beginning deeper and deeper, if not killed and shed early, produce knots, which injure the strength and value of the sawn lumber. In dense forests the lack of light causes the lower branches to die and fall and the trunk is left clear. In forest planting, trees are set densely to shut out the light and kill the lower branches, in order to produce later, clear, valuable lumber.

Trees grow not only in height, but also in diameter, the growth taking place in the soft cambium layer between bark and wood. Every spring this layer of living cells begins to grow and divide, at first very rapidly with the rapid height-growth, but gradually more slowly as summer advances. The first quickly-formed wood cells are thin-walled with large openings, forming the pores seen in the spring wood of the oaks and ashes. The later summer-formed cells are closely crowded and compressed, with thick walls and small openings, the wood appearing denser and darker colored from this crowded condition of the cells. This succession of different spring and summer wood zones allows the easy recognition and counting of the annual layers or rings of wood, and this variation in the ring structure serves to identify various species of trees, and to indicate the comparative strength of their wood. After cutting a tree, therefore, its age can be found by counting the annual rings on the stumps, and from the record preserved in these rings the history of its growth can be read.

The annual ring is formed in all countries where there is a temporary cessation of growth, caused by distinct summer and winter seasons. Exceptionally trees fail to deposit wood over the whole trunk on account of loss of foliage, etc., and no ring is formed, or, where the growth has been disturbed during the season, a second ring may form, which can mostly be readily distinguished from the true rings.

To the forest manager the study of ring growth is of great importance, because from the rings of growth the progress of the crop may be seen—the amount of wood formed, and the time when it is most profitable to harvest calculated. Since also the proportion of spring and summer wood largely determines the quality of the timber, the ring growth furnishes an index for regulating the quality of the crop, since, by management of species, and adapting them to soils, the proportion of the spring and summer wood may be influenced. It is a mistake to consider that the lumber of the more rapidly grown trees of any species is weaker, for it is apparent that

LONE PINE.

WHITE PINE, MICHIGAN.

the dense, thick-walled summer wood cells make stronger wood than the thin-walled spring cells, and in a year of rapid growth the summer wood formed in some species exceeds in amount that formed in years of slower growth.

The food necessary for a tree to increase its solid substance is obtained from the soil and from the air. Most of this food substance is formed in the green parts of the plant—the foliage, in the presence of light and air by the union of water with the carbon derived from the carbonic acid of the air. From the soil, water is constantly being lifted by the tree up into its foliage; from which a part passes off into the air as vapor, the amount of transpiration varying with the climatic conditions, water supply, season and species. While in a vigorously-growing tree there is from 40 to 65 per cent of water, the amount given off from its leaves in a season is many times greater than that retained, but trees require from one-half to one-quarter of the water which agricultural crops need.

Mineral substances are taken up only in very small amounts, and mostly of the commoner kinds, such as lime, potash, magnesium and nitrogen. Hence, wood crops do not exhaust the soil of its minerals, and even improve its fertility, as the greater part of the minerals are returned to the soil in more soluble form by the annual fall of the leaves and the small brush, in which the minerals are most abundant, and which decompose and form a rich humus layer on the surface of the soil.

As the soil moisture is the greatest requisite for tree growth, its conservation and distribution is most important. No tree grows to best advantage in very wet or dry soil, although some species endure and appear thrifty in such unfavorable situations. The soil most suited for all trees is a moderately but evenly moist soil, porous and well drained, but capable of conducting water up within reach of the roots of plants.

For the conservation of the soil moisture, the forest grower cannot rely on the methods of the agriculturist, which are usually impracticable and too expensive. He can only employ such methods as shading and mulching the soil—shading by close planting, and by maintaining the crown cover dense through the life of the crop to protect the soil from sun and wind; mulching, by the annual fall of twigs and leaves, which remain and decay, forming a rich mold, increasing the absorption and retentiveness of the soil, and retarding the evaporation of moisture and the run-off from the surface.

While with a moderate and even supply of moisture all trees thrive best, some like the Conifers, and especially the Pines, endure drier soils, and others like the Bald Cypress, excessive moisture. This adaptation, however, is modified in different regions by drier or more humid climate.

LECTURE IV.

THE EVOLUTION OF A FOREST GROWTH.

Last night we took a glimpse into that part of dendrology—the study of trees—which concerns itself with the development of the single individual. To-night we will look into the communal life—the sociology, as it were, of trees, as exhibited in forest growth.

For, in order to practice forestry, there is, first of all, need to understand the natural history of the forest. How does nature produce her forests? What are the laws, what is the progress in the evolution of a forest growth? These questions I shall endeavor to answer to-night.

The earth may be said to be a potential forest. A cover of tree growth more or less dense is, or has been, the natural condition of at least the larger portion of the *habitable* earth, and, of the entire land surface, not less than 60 per cent. may be classed as actual or potential woodland; 7 per cent prairie, and 33 per cent. plains or barrens. (In North America the proportion is about 45-5-50; in Asia, 45-3-52; in Europe, 84-10-6).

In the struggle for existence and for occupancy of the soil between the different forms of vegetation, tree growth has an advantage in its perennial nature and in its elevation in height above its competitors for light, the most essential element of life for most plants. These characteristics, together with its remarkable recuperative power, assure to the arborescent flora final victory over its competitors except where climatic and soil conditions are not adapted to it.

The entire absence of the tree growth from some localities, such as the northern tundras, the high peaks above timberline, and the arid plains, is due to temperature, moisture and soil conditions, either one or the other, or the unfavorable combination of them. On the high peaks, the two characteristics, of perennial life and persistent height growth, become unfavorable, since the extreme winter temperatures above the snow cover, droughty winter storms, and frosts every month in the year can be endured only by those plants which have a rapid cycle of development, or are sheltered near the ground by the snow cover. The wet soil on the tundras, frozen for most portions of the year, or the thin soil on the Alpine peaks, add to the difficulties for deep-rooting species in their contest with the lower vegetation. Again, in the interior of continents and other localities unfavorably situated with reference to the great sources of moisture and moisture-bearing currents, deficiency of water, scant rain-fall or low relative humidity, or both, and excess of evaporation, are inimical to tree growth, occasioning plains, which although not always and by necessity treeless, do not permit any forests to establish themselves unaided.

Occasionally, soil conditions, especially with reference to drainage, may be more favorable to the graminaceous vegetation, at least for a time; giving rise to pampas, prairies and savannahs; or else all the unfavorable conditions combine to give rise to deserts.

In addition, there are hostile agencies in the animal world, which prevent the progress of forest growth, and tend to preserve the prairies; locusts, rodents, ruminants, like the buffalo, antelope and the horse, impede the growth and spread of the trees, and especially where compact soil and deficient moisture conditions are leagued with these animals, the change from prairie to forest is prevented, at least for a time.

Woodlands are the most unfavorable form of vegetation for the life of ruminants, and, therefore, for the support of the largest number of men. For food production, for agricultural pursuits, man must subdue and remove tree growth. Hence, forest devastation, forest destruction, is the beginning of civilization in a forested country, its necessary requisite, and the persistency with which in forest regions the forest tries to re-establish itself calls for continued effort to protect pasture and field against its re-establishment.

So impressed was Dr. Asa Gray with the persistency of individual tree life that he questioned whether a tree need ever die; "For the tree (unlike the animal) is gradually developed by the successive addition of new parts. It annually renews not only its buds and leaves, but its wood and its roots; everything, indeed, that is concerned in its life and growth. Thus, like the fabled Aeson, being restored from the decrepitude of age to the bloom of youth—the most recent branchlets being placed by means of the latest layer of wood in favorable communication with the newly formed roots, and these extending at a corresponding rate into fresh soil—why has not the tree all the conditions of existence in the thousandth that it possessed in the hundredth or the tenth year of its age?

The old central part of the trunk may, indeed, decay, but this is of little moment, so long as new layers are regularly formed at the circumference. The tree survives, and it is difficult to show that it is liable to death from old age in any proper sense of the term."

However this may be, we know trees succumb to external causes, insects, fungi, fire, windstorms, etc. Nevertheless, they are perennial enough to outlive aught else, "to be the oldest inhabitants of the globe, to be more ancient than any human monument, exhibiting in some of its survivors a living antiquity, compared with which the mouldering relics of the earliest Egyptian civilization, the pyramids themselves, are but structures of yesterday." The dragon-trees, socalled, found on the island of Teneriffe, off the African coast, are believed to be many thousand years old. The largest is only 15 feet in diameter and 75 feet high. The sequoias or Big Trees are more rapid growers and attain more than double these dimen-

sions in 3,000 to 4,000 years, which may be the highest age of living ones. Their long life is undoubtedly due to the fact that they are not liable to attacks by insects, fungus, and hardly by fire.

While this persistence of life is one of the attributes which in the battle for life must count as of immeasurable advantage, the other characteristic of arboreal development, its elevation in height above every living thing, is no less an advantage over all competitiors for light, which is the source of all life; and in this competition, size must ultimately triumph.

Endowed with these weapons of defensive and offensive warfare, forest growth has endeavored, and no doubt to a degree succeeded through all geologic ages, during which the earth supported life, in gaining possession of the earth's surface.

As terra firma increased, emerging in islands above the ocean, so increased the area of the forest, changing in composition, to be sure, with the change of physical and climatic conditions.

As early as the Devonian age, when but a small part of our continent was formed, the mud flats and sand reefs, ever increasing by new accumulations under the action of the waves and currents of the ocean, were changed from a bare and lifeless world above tide-level to one of forest-clad hills and dales with quaint forms, like the tree rushes and the prototypes of our pines, the Dadoxylon.

The same class of flowerless plants, known as vascular cryptogams, with colossal tree ferns and the Sigillarias added, became more numerous and luxuriant in the Carboniferous age.

This vegetation probably spread over all the dry land, while other forms made the dense jungle in the marshy places and lakes with floating islands; the thick deposits of vegetable remains from these forests were finally, in the course of geologic revolutions, turned into the great coal fields.

During these geologic revolutions some of the floral types vanished altogether, and new ones originated, so that, at the end of Mesozoic times, a considerable change in the landscape is noticeable. In addition to coniferous trees, the palms appeared and the first of Dicotyledons, such as Oaks, Dogwood, Beech, Poplar, Willow, Sassafras and Tulip tree. Species increased in numbers, adapted to all sorts of conditions, the forest in most varied form and luxuriance climbed up the mountain sides to the very crests, and covered the land to the very poles with a flora of tropical and semi-tropical species in profusion, and large mammals roamed over the open spaces.

Then came the levelling processes and other changes of post-Tertiary or Quaternary times, the glaciation of mountains and nothern latitudes, with the consequent changes of climate, which brought about corresponding changes in the ranks of the forest, killing out many species around the

north pole, the hardier races alone surviving; and these were driven southward in a veritable rout by the icy blasts.

When these boreal times subsided in a degree, the advance of the forest was as sure as before, but the battle order was somewhat changed to suit the new conditions of soil and climate. Only the hardier tribes could regain the northernmost posts, and of those who followed, many found their former places of occupancy changed by fluvial and lacustrine formations and by the drifts borne and deposited by icy sheets, while some, by their constitution, were entirely unfitted from engaging in a northern campaign, or found insurmountable barriers in the refrigerated east-west elevations, as in Europe and Western Asia.

PETRIFIED TREE

In addition, there had come new troubles from volcanic eruptions, which would again and again wrest the reconquered ground from the persistent advance guards of the arboreal army, annihilating them again and again.

Finally, when the more settled geologic and climatic conditions of the present era arrived, and the sun arose over the world, ready for human

habitation, man found what we are pleased to call the virgin forest—a product of long-continued evolutionary changes—occupying most, if not all, the dry land, and ever intent upon extending its realm.

I may not leave this prehistoric story of the battle of the forest without giving some historic evidences of its truth. Paleobotanists have unearthed the remnants of the circumpolar flora which give evidence that it resembled that of the present tropic and semi-tropic countries; they have also shown that Sequoias, Magnolias, Liquidambars and Hickories existed in Europe and on our continent in regions where they are now extinct. We have also evidences of the repeated successes and reverses of the forest in its attempt to establsh itself through long geologic transformations.

One of the most interesting evidences of these vicissitudes in the struggles of the forest to establish itself is presented in a section of Amethyst Mountain in the Yellowstone Park, which exhibits the remains of 15 forest growths, one above the other, buried in the lava. Again and again subduing the inhospitable excoriations, again and again the forest had to yield to superior force. The face of the mountain includes over 2,000 feet of strata resting upon granite. The trees, or rather parts of them, stand upright and lie prostrate in good preservation, 40 to 50 feet in length, and not a few as much as 5 and 6 feet in diameter. (Note the ancient and modern vegetation in company.) The largest, uncovered by the action of water and soil movement, rising 12 feet above the enclosing strata, is 10 feet in diameter, and belongs to the Sequoia tribe.

Among these petrified witnesses of former forest glory, Magnolias, Oaks, Tulip trees, Sassafras, Linden, Ash, have been identified, accompanying the Sequoias, while now only the hardiest growth of pines and spruces find a congenial climate here.

Reversals of this kind are taking place even in our own time, before our very eyes. In Alaska, and elsewhere, glaciers carry large masses of soil and rock, depositing it in moraines at lower levels. On these moraines vegetation soon establishes itself, and finally the forest grows to the very edge, nay, upon the very back of the mighty icesheet. But as the ice river ebbs and flows, recedes and pushes forward, the existence of the forest cover is precarious and of temporary duration—sooner or later it will be pushed over by the moving ice and buried by the moraine material. Again receding, the glacier river carrying off the melted ice in a rapid stream, this stream cutting through the moraine, may uncover the buried forest, as is the case near the celebrated Muir glacier, exhibiting to us a bit of the earth's history and of the methods of making it, and the forces at work in past eras.

Just as the forest formed and spread thus during the course of ages, so does it form and spread to-day, unless man, driven by the increasing needs of existence, checks its progress and reduces its area by the cultivation of the soil. This natural extension of the forest-cover takes place

readily wherever soil and climate are favorable, but it is accomplished just as surely, though infinitely more slowly, in unfavorable situations. On the naked rock, the coarse detritus and gravel beds, on the purely siliceous sand deposits of rivers and oceans, or in the hot, dry plains, the preliminary pioneer work of the lower vegetation is required. Algae, lichens, mosses, grasses, herbs and shrubs must precede, to cultivate the naked rock, to mellow the rough gravel beds, to make the soil, to increase the soil moisture by shading the ground and gradually render it fit for the abode of the forest monarch. The army of soil makers and soil breakers, the pioneers, as it were, of the forest, are a hardy race, making less demand for their support

MUIR GLACIER FOREST.

than those who are to follow. They come from different tribes, according to the climatic conditions in which they have to combat. As soon as they have established themselves, they begin their cultivatory activity, which consists in withdrawing from the rock or soil and from the air the nutritive elements, returning them to the soil when they die and decay in a form much more suitable for the support of the higher plants. Not only are thus, by the repeated growth and decay of these pioneers, the nutritive elements of the soil improved and augmented, but also the physical properties; the soil is deepened and becomes mellow and its capacity for moisture increases. The waters, charged with carbonic acid derived from the decay of the vegetable humus, hasten the decomposition of the underlying rock.

and thus also the fertile soil layers increase, until the more fastidious plants can subsist. The humblest workers, algae, lichens, cacti and mosses, are followed by sedges, dry grasses, herbs and shrubs, or, in the drier and warmer climates, by agaves and yuccas; then come ferns and other representatives of the lower vegetation, succulent grasses and herbs gradually covering the soil with a meadow or prairie, the shrubs become more numerous, by degrees closing up, shading the ground and overshadowing the grasses and finally the time is ripe for the arborescent flora. Nor does then the forest appear at once in its fullness and variety of form. Single trees,

FERNS, SCELERAT LAKE, ALGONQUIN PARK.

Photo by Houghton W. Wilson.

stragglers or skirmishers in small numbers, and shrub-like, and stunted forms first arrive, gradually increasing in number and improving in form. These, by their shade and by the fall and decay of their foliage and litter, improve the soil for their betters to follow.

The Aspen is one of these fore-runners, which, thanks to its prolific production of light, feathery seed, readily wafted by the winds over hundreds of miles, readily germinating and rapidly growing under exposure to full sunlight, even now in the Adirondacks, the Rocky Mountains and elsewhere, quickly takes possession of the areas on which man has ruthlessly destroyed all vegetation by fire. This humble, ubiquitous, but otherwise

almost useless tree, is nature's restorative, covering the sores and scalds of the burnt mountain side. Though short-lived, with its bright summer foliage turning into brilliant autumn hues, it gives grateful shade and preserves from the thirsty sun and wind some moisture for the better kinds to thrive and take its place, when it has fulfilled its mission.

In other regions, as on the prairies of Iowa and Illinois, hazel bushes, or, in the mountains of Pennsylvania and the Alleghanies in general, ericaceous shrubs, like the Laurels and Rhododendrons, or Hawthorn, Viburnum and Wild Cherry are the first comers, while along the water courses Alders and Willows crowd even the water into narrower channels, catching the soil which is washed from the hillsides and increasing the land area.

ASPEN LAKE, UTAH.

One of the most interesting soil makers, wresting new territory from the ocean itself, is the Mangrove along the coast of Florida. Not only does it reach out with its aerial roots, entangling in their meshes whatever litter may float about, and thus gradually building up the shore, but it pitches even its young brood into the advance of the battle, to wrestle with the waves and gain a foothold as best it may.

Not less interesting in this respect is that denizen of the southern swamp, the Bald Cypress, with its curious root excrescenses known as

Cypress Knees, which are most helpful in expediting change of water into land sufficiently dry to be capable of supporting the more fastidious in regard to moisture conditions.

Here we should note the remarkable adaptation to divers conditions of some of the tree species. Trees of the swamp, or at least many of them, seem to indicate their independence of moisture conditions by the range of climate and soil in which they are found. In fact, they grow in the swamp, not because it is their most suitable locality, but because they are the ones that can do so, to the exclusion of other competitors. The Bald Cypress, in Lake Drummond itself, will grow in the dry soil and droughty atmosphere of Texas and Mexico; the Oaks, which associate with it in the

THE SKIRMISH LINE OF THE FOREST, ARIZONA.

swamp, will occupy almost any soil or site; the Red or Sweet Gum or Liquidambar, which has lately become an important lumber producer, is found in similar ranges of habitat; the same Juniper or Red Cedar which in the swamps of Florida is a large tree and makes the soft material for our pencils, covers also the driest ridges of the Rockies and Interior Basin west of the Rocky Mountains, with a gnarly growth and hard texture, supplying the most lasting poles and posts. Thanks to the taste of the birds for its berries, it finds ready dissemination over a wide field of

distribution from New Brunswick to Florida and westward beyond the Rockies, forming with the equally frugal Aspen and Cottonwoods the very foremost advance guard of the forest.

The skirmish line of first comers, different ones in different climates, frugal in their needs, prepare the conditions for the more fastidious birches, elms, maples, ashes, oak, hickories, magnolias, spruces, firs, pines, and the whole host of the varied forest flora. Which of these will occupy certain territory depends in the first place on temperature conditions, and in the second place on moisture conditions of air and soil and the various combinations of these factors, which determine the geographical distribution of species.

As far as temperature is concerned, there is no highest limit, provided sufficient moisture be present. The forest of the tropics gives evidence of this fact. On the other hand, low temperature extremes set a limit to tree growth, as the northern tundras and the well-known timberline of high mountains show, varying in altitude according to latitude, i.e., temperature conditions.

As regards moisture, we have seen that many species live in the swamps of the South, with their feet in water for months, and their heads in a humid atmosphere all the year, while the plains and deserts, deficient in soil moisture and humidity of the air, are treeless, or at least forestless. Within these extremes we find species adapted to every clime and site.

As we go from the tropics to the pole, there is a change in the type of the forest with each change of climate. From the evergreen, broad-leaved forest of the tropics and subtropics, we may journey northward through the deciduous leaved forests of the Carolinas and Pennsylvania, of oaks, hickories, chestnut and tulip tree, or traveling along the Pacific Coast. through a mixed forest of firs, spruces, pines, in most magnificent development. Then (continuing our journey on the Atlantic side) we reach the Northern forest, in which maple, beech and birch are predominant, with spruce and white pine intermixed. Beyond, the number of species decreases, and generally coniferous growth predominates; finally only eight hardy species can take a stand against the frigid breath and icy hands of Boreas.

Finally, we reach beyond the 62° of latitude in the interior of Canada —in Alaska, much further north—the last outposts, short, tousled and dwarfed, the Exquimaux of tree growth. Then the treeless tundra is reached, where ice and snow abound all the year, the home of winter. Here the soil is frozen for all but two months in the year, when only a low vegetation of willow and birch and of flowers can subsist. Just as we observe these changes in a long journey, we can trace them in a day's ride, if we were to ascend some mountain in the tropic or sub-tropic regions of Mexico or Jamaica. We begin our journey under the palms. Again we pass through the evergreen tropic forest, composed of an endless var-

iety of luxuriant species. As we ascend 2,000 or 3,000 feet the composition changes and we have come into the deciduous leaved forest, not unsimilar in general aspect to that of our middle latitudes. We reach a sandy plateau and find it occupied with pines and saw palmetto as underbrush, just as we see it in the Carolinas. As we ascend to the 8,000 foot level, we enter into the dominion of spruces and firs, and we may find the open meadows with a profusion of flowers. These openings, in Colorado and other parts of the Rockies, are characteristically called parks. Here a depression has filled up with water, forming a lovely mountain lake, with the spruces and firs in spiral shapes surrounding the shores, just as you find them in British Columbia at lower levels. Another 2,000 to 5,000 feet, and the forest opens as in our northward journey, the trees stand in groups, and the grass and flowers occupy intervening spaces, competing for the ground. As we pass out of this lovely park-like region, we come in sight of the peak and of the skirmish line of the forest; singly and in small groups the trees try to brave the blast, hugging the ground and each other for protection, tousled and dwarfed as their northern counterparts. Ice-laden with the frozen humidity of these high attitudes for months the branches break. This leads to misshapen form. Finally we have passed the timberline, where icy blasts and hard frosts occur every month in the year and hence no persistent life can exist; and, if we are quick about descending, we may again rest under the palms at night.

While, then, certain territory is assigned to the different tribes of tree species, which are adapted to the climatic and soil conditions, struggling to occupy the ground and to wrest it from the lower vegetation, there is by no means an end to the evolutionary struggle, for, as soon as the soil is conquered, the battle begins between the conquerors themselves. Though not fought with claws and teeth, the struggle is as fierce, as persistent and as disastrous to the one or to the other species as in the animal world, each trying to occupy the ground to the exclusion of the other. The weapons and the warfare are offensive and defensive, but relative endurance of one or more unfavorable conditions, adaptation to surroundings, insure mostly the final victory and secure the survival of the fittest. The characteristics of development from the seed to old age influence the character of the distribution.

Prolific and frequent production of light-winged seed, carried by the wind to all open spaces, germinating readily and growing rapidly, gives an advantage to the one species. The heavy nut of the walnut or acorn must wait for squirrels, mice, birds and water to extend its territory.

The seed of the willow loses its power of germination within a few hours or days; hence it is confined mainly to the borders of streams, where favorable opportunities for sprouting exist. The acacia and others of the leguminous tribe, like the black locust, preserve their seed alive for many years; nay, the seed of the former will often lie buried in the ground for

years until a fire that destroys all other vegetation breaks their hard seed coat and calls to life the dormant germ; the cones of some pines remain closed, and release the seed only when fire, which has probably destroyed all competitors, opens them. The peculiarities of the seed, then, account for much in the distribution of plants.

Next comes the peculiarity of growth. The long-leaf pine, which, for the first four years, does not grow more than two or three inches above the ground, is at a disadvantage in that first period, during which it has occupied itself with forming a stout root system; but thereafter, by virtue of this root system, it may endure what a faster growing neighbor could not. The thickly growing aspen covers large areas, but its reign is of short duration, for, as with most of the rapid growers, its life is short. The slower growing spruce or pine, which could support itself under the light shade of the aspen creeps in, and remains on the field, the victor by sheer persistency.

While rapid, persistent height-growth enables these to escape the would-be suppressor, endurance of drouth or of excessive moisture, of heat or cold, and of shade favors others; windstorms and decay, in our primeval forests, acting as allies now to one, now to the other side, and thus changing the balance of power again and again.

In this struggle for supremacy between the different arborescent species, the competition is finally less for soil than for light, the most important factor of life, especially for tree growth. It is under the influence of light that foliage develops and that leaves exercise their functions and feed the tree by assimilating the carbon of the air and transpiring the water from the soil; the more foliage and the more light at its disposal a tree has, the more vigorously it will grow and spread itself.

Now, the spreading oak or beech of the open field finds close neighbors in the forest, and is narrowed in from all sides and forced to lengthen its shaft, to elevate its crown, to reach up for light, if it would escape being overshadowed, suppressed and perhaps finally killed by more powerful, densely-foliaged competitors. From the shape of the tree and of its crown we can judge whether it had to wrestle with neighbors. The important fact, which predicts the issue and the final result, is that the various species are differently endowed as regards their ability to tolerate the shade or as to the amount of light which they need for their existence.

Go into the dense forests and see what kinds of trees you find there in the deep shade, and then go into an opening recently made, an abandoned field or other place where the full benefit of light is to be had by all alike, and you will find a different set altogether occupying the ground. In the first case, you will find, perhaps, beech and sugar-maple, or fir and spruce: in the second case, you may find aspen, poplars, willow, soft maple, oaks or pines, tamarack, etc.

All trees ultimately thrive best in full enjoyment of light and then only develop their characteristic form. But, just as some species can adapt themselves to excess or deficiency in moisture conditions, so some can subsist and even thrive with less light than others, and we can classify and grade the species accordingly into tolerant or shade-enduring and intolerant or light-needing.

The dense spruce and fir forest shows by the number of trees that can occupy an acre the capacity of the species to thrive in the shade of neighbors, while the open pine forest gives an indication that the species requires larger amounts of light to thrive.

The densely-foliaged crown of the hemlock, with the branches beset with leaves into the very interior, attests its extreme shade endurance, while the light-foliaged, open-crowned larch or poplar, ash or birch, or even pine, show their extreme sensitiveness to the absence of light by the very openness of their crowns, by losing their lower branches early and by the inability of their seedlings and young progeny to endure the shade of neighbors or even of their own parent trees.

To offset this drawback in their constitution, they have usually some advantage in the character of the seed and are mostly endowed with a rapid height growth in their youth, so that, at least when the competition for light starts with even chances, they may secure their share by growing away from their would-be suppressors. They can keep themselves in a mixed forest only by keeping ahead and occupying the upper crown level. as the White Pine does. The tolerant species, on the other hand, able to thrive in the shade of light-foliaged species, usually increases more slowly in height; but their capacity of shade endurance assures to them a permanent place in the forest.

Many of them are characterized by a height growth which, though slow, is persistent; while the light-needing species, by falling behind in their rate of height growth, often lose in the end what they attained in their youth. As a result the shade endurers finally become dominant and the light needers occur in the mixed forest only sporadically, the remnants or single survivors of groups, all the outside members of which have perished; and only when a windstorm or insect pest creates an opening of sufficient size is a chance for their reproduction given.

Thus the composition and general appearance of the mixed forest is largely influenced by this difference in light requirements of the species present and its numerical make up also depends upon the requirements by each individual and its capacity to get ahead of its neighbor.

Just as in the mixed forest the species are distributed according to their shade endurance, so in the pure forest of one species, or of species of equal tolerance, will the different-sized or different-aged trees develop side by side according to available light, each crowding the other, the laggards being finally killed by the withdrawal of light.

The victory comes to those, who by virtue of inherited superior vigor or owing to the chance of finding better soil, domineer the community, just as in the human world, the modest are driven to the wall.

But, finally, even these victors must give way, for, as Hercules, the unconquerable, succumbed to the poison that penetrated to his bones, so does the mighty giant of the forest fall a prey to the insidious work of rot and fungus and insects and storms. When its heart is riddled and weakened, first the dry branches crumble and gradually give opportunity for the young aftergrowth of shade-enduring kinds, waiting patiently for light, to strengthen; then break the large limbs and the dry top, and, having weathered the onslaught of the storms for centuries and the guerillas of the fungus tribe for decades, finally the giant falls, with its decaying substance enriching the soil for future generations. Into the breach rush the young epigones, each struggling to supplant their progenitor and to preserve the forest.

It is in consequence of these changes in light conditions that the alternations of forest growth take place, oak following pine, or pine following oak; poplars, birches, cherries, apearing on the sunny burns, and spruce, hickory, beech and maple creeping into the shade of these light-needing species and, in time, supplanting them.

While, in the Eastern forest, under natural conditions, the rotation of power is accomplished in from 300 to 500 years, the old monarchs of the Pacific, towering above all competitors, have held sway 2,000 or more years. And, in this warfare, with changes in climatic and soil conditions going on at the same time, it may well occur that a whole race is crowded out and exterminated. The virgin forest, then, is the product of long struggles, extending over centuries, nay, thousands of years. Some of the mightiest representatives of old families, which, at one time of prehistoric date, were powerful, still survive, but are gradually succumbing to their fate in our era.

The largest of our Eastern forest trees, reaching a height of 150 feet, and diameters up to 12 feet, the most beautiful and one of the most useful —the Tulip tree (Lirodendron)—is a survivor of an early era, once widely distributed over the world, now confined to Eastern North America, doomed to vanish soon from our woods owing to man's improper partisanship. Others, like the Torreyas and Cupressus, seem to have succumbed to a natural decadence, if we may judge from their confined limits of distribution. The colossal Sequoias too, remnants of an age when things generally were of larger size than now, appear to be near the end of their reign; while the mighty Taxodium, the Bald Cypress, the Big Tree of the East, still seem vigorous and prosperous, weird with the grey Tillandsia or Spanish moss, being able to live with wet feet without harm to its constitution.

So far we have considered the evolution of the forest only from the geographical and botanical point of view, and the history of its struggle for

existence against the elements and against the lower vegetation and other forces of nature. A new chapter of its life history, a new relation, a new point of view, began when man came upon the scene, and finally man has become the most influential factor in the evolution of the forest, changing it in composition and character of development.

FELLING TIMBER.

LECTURE V.

SILVICULTURE, OR METHODS OF FOREST CROP PRODUCTION.

The main business and concern of the silviculturist is contained in the reproduction of the wood crop, and his one obligation is that he must reproduce the crop which he has harvested in any year.

As the farmer sows and reaps so the forester harvests and replaces, although the methods of the two have little in common; nor are the methods applicable which are used by the orchardist or the landscape gardener. The tree which satisfies these does not at all satisfy the requirements of the forester, for his point of view, his aim, is a different one, and hence his methods are his own. In fact, single trees are not his object any more than the single grass-blade is the object of the farmer; the largest amount of wood in the most saleable and profitable form is his aim, logs rather than trees, and the financial results from their harvest. The final aim of the silviculturist is, therefore, attained only when he has removed the old trees and replaced them by a young crop. He grows trees in masses and for their substance. Not only does he deal with trees in masses, but with trees in natural conditions, being by financial considerations often limited in the use of artificial aids and methods, such as the other tree culturists and the farmer in his crop production may employ.

Restricted as he is, or finally will be, to the poorer soils and conditions, those least favorable to agricultural production, he is forced to the most conservative management of the natural conditions in order to secure a desirable result without too much expenditure, which his long-maturing crop cannot repay.

In every productive industry there can be recognized two branches:—namely, the business branch and the technical branch.

The silviculturist is the one who handles the technical branch of the business, namely, the production of the crop or material.

The technical branch is divided into several sub-branches, the chief among which are:—Silviculture, Forest Protection, Forest Exploitation. Silviculture is a branch of arboriculture. Forest Protection is the art of protecting the forest from adverse agencies such as fire, storms, pests, etc. Forest exploitation is the art of harvesting the forest growth to the best advantage.

It is incumbent upon the silviculturist to secure continuity of favorable conditions in order to secure continuity of the crop. The forest manager who looks after the revenue may often be found at odds with the silviculturist, the pocket interest preventing the ideals of silviculture.

The character of the wood crop differs from that of the agricultural crop, especially in the fact that it takes many years before it can be harvested. If the agriculturist makes a mistake in planting one year he can rectify his error the next year, whereas the forester can never rectify any such error until the next crop. Therefore it is necessary for the silviculturist to make closer study of the life history of his material than the agriculturist needs to make. He must be more circumspect in planning his crop, so that it will become self-sustaining.

The silviculturist, as before noticed, must make a selection from the 300 to 500 species of trees that occur naturally with us, to grow. He must grow those varieties which are reasonably sure of a market when they mature. These 500 species may be divided into those which are useful and those which are but tree weeds. What is a weed? It is a plant the use of which has not been found out yet. In order to select those species which we are going to reproduce we must have a relative value of the various species established. A glance at the market reports shows us that not more than 70 of these 500 species are being used and sold. Changes, however, will occur. Some species will fall into disuse, and other species that are now in disuse will become their substitutes. The case of the Hemlock might be cited as an example. The silviculturist must therefore forecast the future. One thing we are fairly sure of is that the timber at present in use in largest quantity will be sure of a market in the future. Among this last class we can place the conifers and especially the white pine, which furnish the bulk of our lumber. We must also suit our trees to the climatic conditions of the country, there being little chance for acclimatizing them, hence native species are mostly preferable. The choice of soil must also be considered. The trees rely less upon the mineral constituents than upon the physical conditions, and hence we relegate the best soil to the agriculturist. Water, however, is the important factor, and thus the silviculturist tries to secure favorable water conditions, the depth of soil being of much importance in this respect, especially with deep-rooted species.

Other considerations also influence his operations, such as the preservation of soil and moisture, which is the most essential contribution of the soil to tree growth, and which requires the soil to be kept shaded.

In fact, there is nothing that a forester guards so jealously, next to the light conditions at the crown, as the soil conditions: A soil free of weeds and grass and covered as amply as possible with a heavy mulch of decaying leaves and twigs, and if this best protection of the soil moisture be deficient, a cover of shrubby undergrowth which requires less water than weeds and grass—this is the character of a desirable forest floor.

Altogether it will have appeared from the previous study of tree growth and forest development that the entire silvicultural operations with an established crop resolve themselves into one, namely, proper management of light conditions, which is secured by the judicious use of the axe.

Let us now examine the best way of forming a forest. A mixed stand is best for all purposes, but it requires more skill in its management. In a mixed stand we combine the tolerant and intolerant varieties, the deep-rooted with the shallow-rooted varieties, thus using all the available root and air space. This arrangement is also a protection against insects, fires, winds, snow and other destructive agencies, and, moreover, such a stand furnishes a varied product.

There are two methods of starting a crop: artificial re-forestation and natural regeneration, secured by the proper use of the axe. In harvesting the old crop the new crop may be reproduced.

Most of our deciduous trees will sprout and thus replace their fore-runners by a *coppice* growth, consisting of sprouts from the stumps. The simplest and crudest method of reproduction which results naturally when the old hard woods are cut, is applicable only to the broad-leaved trees which are capable of producing valuable shoots in this manner. The capacity for sprouting is possessed in different degrees by the different species and is more or less lost by all in old age; and especially after repeated harvests the stumps become exhausted and die, so that the forest is apt gradually to deteriorate in composition as well as in density, unless fresh blood is added by reproduction from seed. Thus in Pennsylvania, where the system has been in vogue for a century or more to furnish charcoal for the iron furnaces, the valuable white oaks and hickories have been crowded out by the chestnut, which is a superior sprouter.

Another disadvantage of this coppice system, under which the woodlands of deciduous trees in almost all New England and Atlantic States are produced, is that, although the sprouts develop much faster than the seedlings from the start, they soon fall off in their growth, and are capable merely of furnishing small dimensions and firewood. The coppice, therefore, is useful only for certain purposes, but cannot be relied upon to furnish material for the great lumber market.

The deterioration consequent upon the continued application of the coppice is best studied in Italy and in certain parts of France where serviceable timber is almost unknown, and fagots of small firewood are precious articles.

All other methods of regeneration, both artificial and natural, depend ultimately upon the use of seed. In order to reproduce with any degree of success the silviculturist must secure good seed, good seed bed, good light, and good protection for his seedlings. The choice of method depends upon financial as well as silvicultural considerations.

In protection forests and luxury forests in which the requirement of a continuous soil cover may be paramount, methods in which the old crop is very slowly removed and replaced by the new crop are indicated, even if financial and silvicultural results would make other methods desirable.

In supply forests the cheapest method which secures desirable proportionate results in the crop is to be chosen. This must vary according to local conditions, such as climate, soil, species, cost of planting and of logging.

The clearing process followed by artificial replacement entails a money outlay for the latter from year to year; the gradual removal methods with natural seeding avoid, to be sure, this outlay, but since, to secure the same amount of harvest, a larger territory must be cut over, they entail large initial investment for means of transportation, which must be maintained for all the years of removal and they occasion also otherwise greater expenses in the harvest than the concentrated logging in the clearing system, which may be done over temporary roads.

Over 80 per cent. of the forests of Germany are managed under a clearing system and rapid removal systems, and only 20 per cent. under slow removal and other systems.

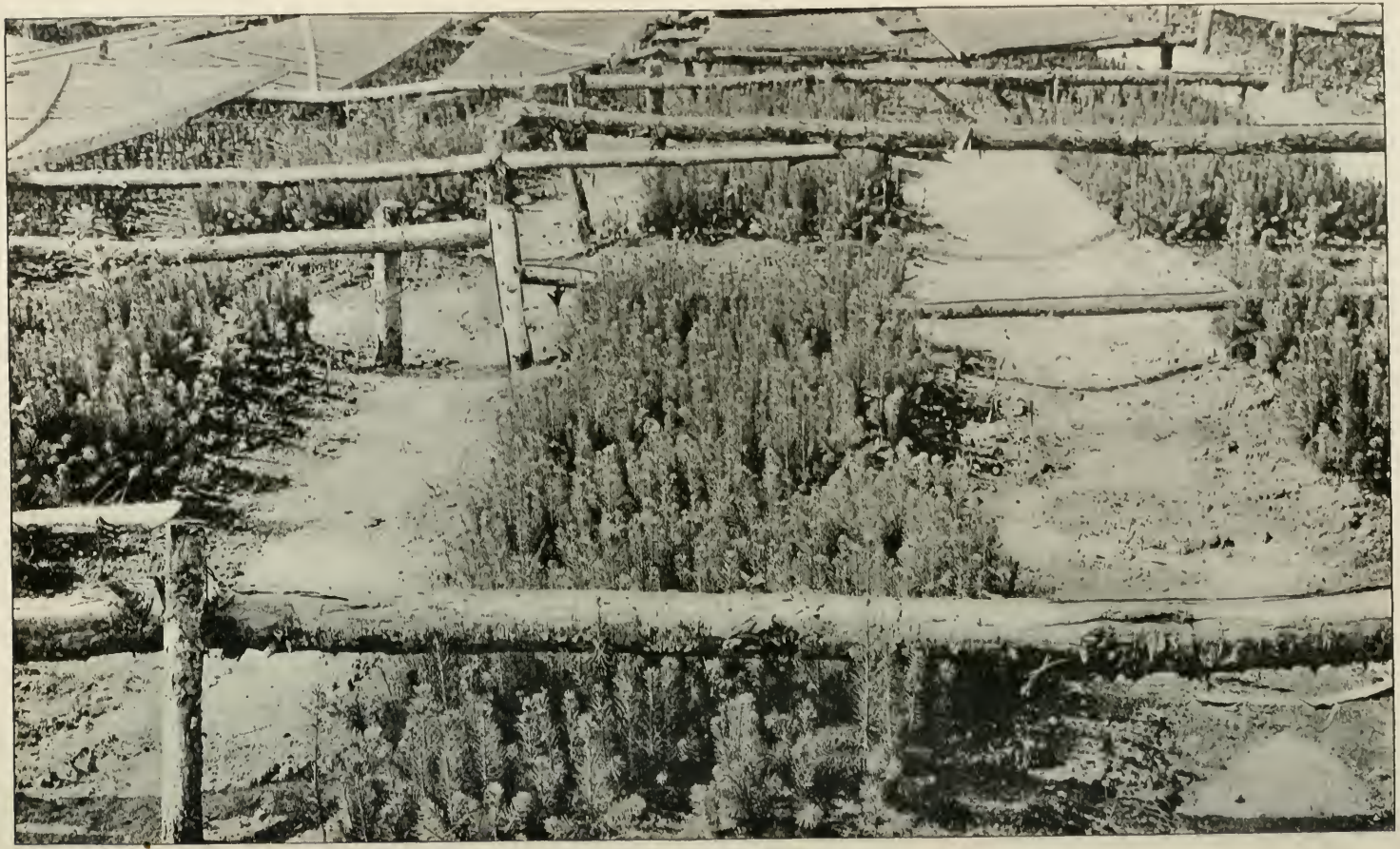
Where, as in our culled forests, the valuable species have been removed and the weed trees have been left in possession, it stands to reason that no regeneration method will re-establish the better species; they must be restored by artificial means.

These slow removal methods consist in opening small spaces or narrow strips so as to prepare the soil and let in sufficient light to cause the germination of the seeds which fall from the trees left standing.

Trees seed only in periods, for example, the white pine seeds only every three or five years, and we must know when the seed year is going to occur. Some species have seeds every year, and if they are not desirable we must cut so as to get rid of them.

In our virgin woods the seedbed often is undesirable. The litter must be decomposed to furnish a good seed bed so that the tiny fibrous roots of the seed may reach mineral soil. Some species require more light than others in youth, and hence the parent trees must be removed more or less rapidly.

One of the simplest methods of regeneration is the strip method. This consists in cutting a strip of trees from the land in such a way that the wind will blow the seeds from the trees standing on to the cut part. Another strip is cut the next year, and so following. Another of the crude methods is an improvement on the lumberman's method of cutting old trees here and there and thus giving light to the young volunteer aftergrowth; the so-called "selection" method. The lumberman culls, to be sure, only the trees he can use, but the forester works from the standpoint of the young crop, i.e., he cuts with a view to the best interest of the young crop. The best method, where practicable, consists in the gradual but more rapid removal of the whole crop so that the young crop will have a clear new field to start on.



NURSERY, CORNELL COLLEGE FOREST, ADIRONDACKS.

In this so-called "nurse-tree" method the periods of cutting must receive consideration. A preparatory cut secures better seed production and also a better seed bed and better light; the next cut is made to secure full seed production; this is followed by two or more removal cuttings, as the young crop demands; until finally, in 3 to 20 years, the whole old crop is removed.

In Germany, over 50 per cent. of the reproduction is done by artificial means, and this is found to be most satisfactory. After the crop is produced there is still a chance of improving it by accelerating its development. It is possible to increase the production 2 to 3 fold by a proper use of the axe.

As in the natural methods the axe is the only tool which is used to secure the regeneration, so is the axe the only tool which cultivates the young crop, such cultivation consisting in the judicious removal of surplus trees

GERMAN SPRUCE FOREST.

by the so-called thinnings, by which the quantity and quality of the crop is increased. To understand this, it is necessary to know that trees form wood by the function of the foliage under the influence of light.

Hence, a tree with much foliage and unimpeded access of light is bound to make much wood. These conditions are fulfilled when the tree is allowed to grow in open stand, as on a lawn, without close neighbors, who would cut off some of the light supply.

But trees under such conditions grow mostly into branches, the crown being developed at the expense of the bole, which remains short and more or less conical in shape, of little commercial or technical use, except for fire wood. When the trunk is sawn into boards, every branch appears as a defect, known as a knot, which makes it unfit for use in the better class of work, and thus while the total quantity of wood in the tree is increased by the open stand, it is done at the expense of quality.

The object of the forester, however, is not simply to grow wood, but to produce wood of such form and quality as is useful in the arts. The ideal tree for him is one with a long, cylindrical, branchless trunk, bearing its crown high up, which when cut into lumber produces the largest amount of material clear of knots, of straight fibre, and giving the least amount of waste or fire wood.

His aim, therefore, must be to so place his trees that, while the largest possible amount of wood shall be produced, it shall be deposited in the most useful form also.

By a close position, when each tree cuts off the side light from its neighbors, the formation of branches is prevented, or the branches which were formed, being overshadowed, soon lose their vitality, die, and finally break off, leaving the shaft smooth, and, if this clearing was effected before the branches had reached considerable size, the amount of clear lumber is increased.

But again, if the trees are kept too close, if too many trees are allowed to grow on the acre, each one having the smallest amount of foliage and light at its disposal, the amount of wood produced by the acre may be fully as large as it is capable of producing, but it is distributed over so many individuals that each develops at the very slowest rate, and hence does not grow to useful size in the shortest time.

To secure his object, producing the largest amount per acre of the most useful wood in the shortest time, the forester must know what number of trees to permit to grow so as to balance the advantages and disadvantages of close and open position.

This number differs not only according to the species composing his crop, but also according to soil and climatic conditions and to the age of the crop.

Some trees having considerable capacity of enduring shade, like the beech, sugar-maple, or spruce, may require many more individuals to the acre than the more light-needing oaks and pines; on richer soils fewer individuals will produce satisfactory results, when on poorer soils more individuals must be kept on the acre. The question of the proper number of trees to be allowed to grow per acre at different ages is one of the most difficult, on which practitioners differ widely.

In general, however, the practitioner has recognized the necessity of preserving a dense position for the first twenty to thirty years of the young crop, sacrificing quantitative development to quality and form. The close stand secures the long, branchless, cylindrical trunk, which furnishes the clear saw-logs of greatest value. Then, when the maximum rate of height growth has been attained, a more or less severe thinning is indicated, in order to secure quantitative development, and these thinnings are repeated periodically, to give more light as the crowns close up, and also to utilize such of the trees as are falling behind in this wood production.

As a result of judicious thinnings, the rate at which the remaining crop develops may be doubled and quadrupled, the heavy, more valuable sizes are made in shorter time, and, where the inferior material removed in the thinnings is salable, a much larger total produce is in the end secured from the acre, for many of the trees which were removed and utilized would have died, fallen, and decayed in the natural struggle for existence.

In German forest management the amount utilized in thinnings amounts to 25 per cent. and more of the final harvest yield.

While the crop is developing it is, of course, necessary to protect it against damage of various kinds. The young seedlings of some species are apt to suffer from frost or drouth, which is avoided by growing them under shelter of older trees, by draining wet places, securing opportunity for cold air to draw off, etc.—mostly preventive measures. In prairie and plain it may be possible to assist their resistance to such damage by cultivating the ground as the farmer does, but in the real forest country such means are excluded by the character of the ground and the expense.

Animals, and especially insects, are frequently injurious to the new crop, and insects also to old trees, by their defoliation. This damage, too, can be largely obviated by preventive measures.

Since many, if not most, injurious insects feed on one species, or at least one genus, mixed forests resist their danger better, since the number of host plants is reduced and the intermixed trees impede progress and development of the pest.

Wind-storms are a danger to older timber, especially of shallow-rooted species, like the spruce, and on soft soils and exposed slopes or mountain tops. Here, care must be taken in keeping the stand well thinned, so that the trees may get accustomed to the swaying of the winds in more open stand. In this way they are induced individually to form a better root system and become wind-firm, while in the dense stand their strength was only in the union with neighbors.

The greatest danger to forest properties, however, is fire, and the protection against this most unnecessary evil resulting mainly from man's carelessness, absorbs a large part of the energy of the forester. Proper police, but also silvicultural measures, reduce the amount of danger and damage. Young crops, during the seedling and brushwood stage, are readily killed, while older timber may stand scorching without much or any damage.

A damage even greater than the loss of the crop is experienced in the loss of the soil cover, the litter and duff, which is the forester's manure. This loss may become irreparable in localities where only a thin layer of mineral soil overlies the rock, and the opportunity for starting a new crop may be entirely destroyed. The fire danger in Canada, while much reduced, is still so great that in many localities it almost prohibits the practice of forestry; for who would want to invest money and energy in a property which is exposed to extra risks from fire by the absence of proper legislation, or by the lack of police and moral support on the part of the community in enforcing it, by the unpunished negligence or malice of incendiaries, and by the populational conditions of the country, which prevent the economical disposal of the debris from logging operations?

Partial burning and piling of the brush reduce the danger somewhat, but hardly in proportion to the expense. The readiest remedy, where forestry is to be praticed under such conditions, is to make a clean sweep, that

is, clearing, burning up the debris, and replanting, or else, if natural regeneration is to be relied upon, adopting the strip system, when the opportunity of burning the debris totally is still possible.

The only hope here, in the absence of a paying home market for fuel from the inferior material, is to establish chemical works for its conversion on a large scale into charcoal, acetic acid, wood alcohol, and other useful manufactures.

In fact, the application of silviculture, i.e., the systematic production of wood crops as a business proposition in our culled, mismanaged wood lands throughout Canada is, in most cases, possible only where the means exist of utilizing this inferior material; for the risks from fire are too great, or else the cash which would otherwise have to be spent in making room for the young crop will surely exceed reasonable proportions. Only the state or other long-lived corporations can afford to spend money now in the hope of adequate returns in a distant future.

Forest crop production as a business, silviculture, will become practicable and profitable in this country only when reasonable forest protection is assured by proper exercise of state functions.

Until this is secured, lumbermen will continue to exploit the natural forest without much regard to its fate after they have secured its present valuable stores, for they cannot afford to assume the hazard of the fire danger.

Before positive silvicultural methods are applied by them, they may find it advantageous to cut the virgin forest more conservatively; they may find that it pays in the long run better not to cull too closely, that it is advantageous to leave more of smaller sizes, i.e., to limit the diameter to which they remove trees, so that they may return sooner for a second cut, and also to avoid unnecessary damage to the young volunteer crop. At present the limitation of size to be cut or to be left uncut is based upon calculations of immediate profits to be derived, and does not take into account any future considerations, since the lumberman does not cut with a regard to the future, but attempts to secure the largest present gain. He views the forest as a mere speculation. To curtail his present revenue for the sake of a future revenue by abstaining from cutting all that is marketable is the first step toward changing this point of view, introducing the idea of continuity, and treating the forest as a permanent investment.

It must be understood, however, that the limitation of the size of trees to be cut or to be left uncut has not necessarily any bearing on the replacement of the crop; it is not silviculture. It is in the main a financial measure, it being demonstrable that it pays better to leave small sized trees to accumulate more wood before utilizing them; or else a device to prevent over-cutting of a valuable species, so that it may not be eradicated too soon, a wise measure whenever systematic attention to positive silviculture cannot be given.

RAPIDS, UPPER MADAWASKA

Photo by Houghton W. Wilson.

LECTURE VI.

LUMBERMAN AND FORESTER.

All the great diversity of activities, of industries, of commodities, of sources of wealth which characterize the modern civilization and give employment to the millions, have their origin more or less directly in that primary source of wealth and comfort, nay of life itself, the soil.

And next to it stands water: Water is the best thing, sang Pindar of the Greeks.

But without soil to use it, it is of little avail. And yet again, soil without water to support useful plant production would be an empty treasure, for it is water that makes the soil available. So intimately are soil and water connected that the one cannot be disassociated from the other. Just as in a chemical compound, inert and separately useless or obnoxious elements, combine to form active, most valuable and beneficent bodies, so does water and soil impart, each to the other, its value by their combination.

Soil and water, then, are man's richest treasure, and if he be rational he would guard them more than any other sources of material wealth and use them with discretion; yet in all countries and in all ages man has been careless and wasteful of these most important bases of his well-being. He has squandered them lavishly, has allowed them to dissipate and to slip away or to be destroyed, seemingly in utter ignorance of their important bearing; whole peoples have been impoverished, practically wiped out through mere neglect or abuse of these primary sources of wealth and through ignorance as to the conditions and relations influencing their preservation.

"Man goes over the earth and leaves a desert behind him." "Precisely that portion of the earth's surface which about the commencement of the Christian era was endowed with the greatest superiority of soil and climate is now completely exhausted," says Geo. P. Marsh, in his classic volume, "The Earth as Modified by Man." "A territory which in bygone centuries sustained a population scarcely inferior to that of the entire Christian world at the present day has been brought into desolation almost as complete as that of the moon."

Nor is this destruction of naturally favorable conditions confined to that portion of the earth and that era. We can trace it over the globe and through all ages, progressing only less intensely and now arrested here and there by intelligent man.

It has been reserved for the present era, with the development of natural science, to find and appreciate the reasons for this loss and deterioration of our great sources of wealth; and finding the reasons, to suggest the remedy and prevention of further loss.

We have learned only in modern times to appreciate that all things are in relation, that, therefore, we cannot take away anything from the complex conditions of nature, that we cannot destroy or modify one condition, without affecting more or less all other conditions.

With regard to the soil, we have learned that its stability and its fertility are in most direct relation to the water conditions and the topography of the land. But a third important factor that enters into the problem of the conservation of the soil and of water is its cover. This was perhaps most definitely expressed by that great exponent of natural philosophy, A. v. Humboldt, when he exclaims in his Cosmos: "How foolish does man appear in destroying the mountain forests, for thereby he deprives himself of wood and water at the same time"; and he should have added: Of soil, also!

The importance of the forest cover of the earth has only lately been fully realized, not only as a furnisher of a material most needful to civilization, next to food, but because of its relationship to soil and water conditions.

Last night we learned how forests form and change in their aspects under the laws of evolution without the interference of man.

To-night we propose to take up the history of the forest at the time when man came upon the scene and became a factor in the further evolution of forest growth.

The history of the forest in all parts of the world has been the same.

During the age of the hunter—and these ages are not separated by long distances of time, but occur simultaneously in different parts of the world—the forest served as a harborer of the game besides furnishing the small amount of fuel needed.

Perhaps, too, portions of it were carefully burned over to subdue the undergrowth and facilitate the pursuit of the game without destroying the shelter.

When the hunter became a farmer portions of the better soils had to be cleared of their forest growth for fields and pastures, and increased demand for wood materials to construct barns, sheds and stables, and for family use necessitated further inroads upon the neighboring forest. Fires used in the clearing of farm lands probably often ran beyond their boundaries through carelessness and harmed the forest more than the hunter's fires.

Finally, when the age of modern civilization arrived, cities were built and demands for wood materials arose beyond the needs of domestic uses, the first lumberman found his calling, cutting and marketing the crop of timber, which he found accumulated in the virgin forest.

At first carried on in a crude manner, the exploitation was confined to the woods along the water courses and along the seashore, where ready means of transportation were at hand, but with the growth in population, in civilization, in industrial activity, the development of railroads and improved means of transportation, the need for forest products grew, and the art of the lumberman and the wood-worker experienced the wonderful development we know to-day, so that in magnitude of interests the business of exploiting the forest, manufacturing and purveying its products is next to the business of producing and handling food materials, the largest in all fully civilized countries.

I have dilated yesterday on the enormous and ever increasing needs for wood materials in our modern civilization, but in order to accentuate the great importance of the business of the lumberman, the necessity of his existence, I am tempted to add just one way of stating what the lumber business means in comparison with other interests, at least to the people of the United States, and I dare say a similar comparison could be made for Canada, a comparison which was made on the basis of the Census of 1880 by Prof James, but holds probably still approximately true:

LOG JAM, MADAWASKA.

Photo by Houghton W. Wilson.

"If to the value of the total output of all our veins of gold, silver, copper, lead, zinc, iron and coal, were added the value derived from the petroleum wells and stone quarries and this sum were increased by the estimated value of all steamboats, sailing vessels, canal boats, flat boats, and barges, plying in American waters and belonging to the citizens of the United States, it would still be less than the value of the annual forest crop by a sum sufficient to purchase at cost of construction all canals, buy at par all the stock of the telegraph companies, pay their bonded debts and construct and equip all telephone lines in the United States. It exceeds the gross income of all the railroads and transportation companies, it would pay the indebtedness of all the States, counties, townships, school-districts and cities included, excepting New York and Pennsylvania." What do we conclude from these considerations and facts? That the lumberman, the purveyor of these forest products, is a most necessary and important factor in our civilization, that the Arbor-day oratory of "Woodman, spare that tree," with opprobrium thrust at the wood-choppers is puerile and inappreciative of the proportions which a reform in methods of forest exploitation must assume.

KATCHEWANOOKA LAKE.

Photo by Houghton W. Wilson.

I have shown you these illustrations of the activities of the lumber trade to impress you with the fact that forests grow to be used, trees must be cut to supply our needs of wood materials, wood-choppers and lumbermen must be active; only one other activity is to be added to theirs; that of the forester, modifying their manner of cutting and of using the forest. Both forester and lumberman are in the business of providing our requirements for wood materials, both are concerned in the utilization of the forest, both are harvesters, but while every forester must be a logger, the logger does not proceed in the same manner as the forester.

The difference between the logger and the forester is that the former is a harvester of nature's crop, an exploiter of the natural resource, cashing the accumulated wood capital, a mere converter into useful shape of a crop to the production of which he has contributed nothing and to the reproduction of which he does not give any thought, while the forester is a producer of wood crops, just as the farmer is the producer of food crops; when he harvests the naturally grown wood crop it is with the view of reproducing again and again systematically another crop from the same ground. The main difference, then, between forester and lumberman is their *attitude towards the future.*

The lumberman treats the forest much like a mine from which he removes the pay-ore, leaving the less valuable rest to its fate and nature's care. To him the forest is not an investment but a speculation from which he tries to withdraw as soon as possible both capital and profit. Hence, all his appliances, his camps and shanties are only temporary structures which he allows to collapse or which he removes when he has cut out what will pay him at present to take.

His roads, if he makes any, intended only for temporary use, namely, until the present harvest is secured, are made as cheaply as possible. In many parts they are passable only in winter time, when snow has covered the uneven ground and by means of water sprinklers an ice road can be secured.

Even the railroads, the modern means of conveying the harvest to main lines and to mills, are only roughly built, for they are in a few years to be abandoned or shifted, unless their location is such as to warrant their change into regular carriers.

The harvest is made without regard to the fate of the young growth present or any possible aftergrowth, the interest of the logger being only in the present. There is often little care and thought given to a thorough utilization of even the valuable parts, but certainly whatever is not saleable at present, is neglected, despised, destroyed. We do not say ruthlessly, or recklessly, which implies absence of all reasonable consideration, for the logger reckons and he has ruth or regret—he reckons, however, only from one point of view, namely, that of present profits, and he regrets merely that there is not more profit to be had from the part destroyed. Whatever

curtails profits must be avoided, cheap production of the harvest is his only hope of satisfactory margin; his business is to reap the present harvest, and only that part which pays; the future must take care of itself. The standpoint of the logger is properly and consistently chosen, whatever may be the point of view of the economist.

The lumberman, like any other business man, chooses first of all or altogether to consider his private pocket interest, which lies in the present; he cannot afford or does not choose to include a distant future in his calculations, for the future belongs to others.

What is the result of his operations in the forest?

Since nature produces mostly mixed forest and does so without any economic considerations as to composition, quality and quantity, producing weed trees with the valuable, old and young, large and small, the merchantable with the unmerchantable, in careless mixture, and since the lumberman takes only the desirable kinds and the best sizes, cutting here and there, his operations may leave the forest in such a condition that a layman may not even see a change has taken place—the forest cover is hardly interrupted, the few trees taken are not missed, the debris soon decays, and seemingly no damage is done. This is often the case where a hardwood forest contains a few conifers, and these alone are taken. If the desirable kinds are more frequent, and hence the openings larger and more frequent, the debris more plentiful, the interference becomes more readily visible. Finally, where, as in the pineries, in the Redwoods, in the coniferous forest generally, the mercantile kinds and sizes cover the ground nearly entirely, the lumberman's selective cutting becomes almost or entirely a clearing, a real denudation.

In each of the three cases, there is one damage that is likely to result, namely, an undesirable change in aftergrowth.

If, as is customary, he culls from the mixed forest only those species which are useful to him, and leaves in possession the less desirable, the weeds, these necessarily provide for the succession of their own kind. If it be a shade-enduring species which he values, like the spruce, its reproduction may still be possible, provided the openings are large enough, and enough seed trees are left to provide the new progeny, although necessarily the amount of the useful reproduction must be curtailed. If it is a light-needing species, like the white pine, that he has culled, its reproduction is practically prevented in many cases by the mere presence of the unused portions of the stand. In the competition with other, especially shade-enduring, trees, the light-needing species is placed at a disadvantage and disappears from the woods, unless man himself actively assists in its re-establishment.

If he clear the entire native growth, but leave a neighboring stand untouched, the species with light-winged seeds and capable of developing in full sunlight without the protecting shade of mother trees, will soon recover the bared ground.

If he remove all that he desires and destroy the rest by fire, the re-establishment must pass through nearly all the phases of evolution, which the virgin woods had to pass. Where the denudation had been complete, the lower vegetation of weeds and brush must occupy the ground first, and only after long struggle can tree growth re-establish itself.

Thousands of acres are in this condition; wooded, sometimes densely wooded, but the value gone, from the supply point of view. With the timber of present value gone, the interest of the lumberman is gone, and with the slash left on the ground and the carelessness to which our people are bred with things that are apparently useless, the almost unavoidable sequence in such slashings is the forest fire.

While the direct damage to the future which the lumberman inflicts by his harvesting process, in reducing valuable aftergrowth, is considerable, it is altogether small in proportion to the much greater indirect damage which is the consequence of these fires. And here again let me impress you with the thought that, from the standpoint of the community, the least damage of these fires is the destruction of the standing timber, although many millions of dollars worth of timber are annually destroyed; the much greater damage is that to the future, to the coming generations. A light fire running over the ground, if it were confined to the slash itself, during a season when it is burning with the least fury, as in the early spring when snow is still on the ground, might be even a benefit in reducing the brush and thus giving better chance for an after-growth. But usually these fires start at the most dangerous season, dry and drouthy, and are not confined, but run into the green timber. In the deciduous-leaved forest they run slowly, injuring the mature trees at the base and causing decay to set in, which may finally result in death. In the coniferous forest, some species, with a thick bark, will withstand a light running fire without injury, but usually in dry seasons the timber is killed outright, and if not cut at once, insect pests, the secondary result of forest fires, will finish it. In many cases the first fire does only partial damage, but a repetition is then so much more disastrous, and finally, with windstorms throwing the damaged trunks, the repeated fires not only clean up all the timber, but burn up the surface soil itself, at least the fertile surface portion of it.

The carelessness of hunters and farmers continues, burning over again and again the scanty vegetation until finally the bare rock is reached and nothing grows—a man-made desert is the result.

In Wisconsin at least 8 million acres have thus been reduced to waste and now efforts are being made to recover the land by reforestation.

Erosion of soils, landslips filling rivers, floods, and drifting sands, are some of the consequences of this devastation.

One evil which has hardly ever been pointed out is the increase of windfalls. By opening up the forest, the trees which had learned only to stand up in union, become exposed directly to the sweeping winds and are laid low. Insects follow.

MAN MADE DESERT.
Burnt slope after seven fires.

MAN MADE DESERT.

SOIL EROSION.

That all young after-growth falls a victim to the forest fire, be it ever so slight, stands to reason, and, with the changes in condition of the soil, the soil cover, and the light conditions in the crowns, a growth of valueless species, shrubs and tree-weeds occupies the ground.

The lumberman, then, in so far as he supplies us with the necessary wood materials, is a legitimate factor in our civilization; in so far as by his methods he destroys, indirectly or directly, the soil, the after-growth, and the chances for re-habilitating it, he is from the standpoint of political economy a dangerous element, at least to future generations. We must, to be sure, admit that peculiar economic conditions have forced his methods upon him, and he is left without proper assistance in reducing the danger, by lack of proper appreciation of the damage inflicted, on the part of the public and the state authorities which alone are the representatives of the community and should especially guard the interest of the future.

Not until this appreciation of the duties of the community has led to proper effort in reducing the fire danger, is there hope in changing the methods of the logger materially; not until forest properties are rendered comparatively safe from incendiarism will it become rational and practicable to apply forestry methods to their management.

The forester also is a lumberman; he, too, harvests his crop; his business, too, lies in supplying wood materials to the community, as you may

see in the German forest. The only difference between lumberman and forester is that the latter must provide for a new crop as valuable, or more so, than nature made it.

You will see that the forester is not after the beauty, but after the substance of the tree; he, like the logger, uses the axe to harvest the crop, nay he utilizes the forest even more closely than the lumberman; for he must in some way make use of the inferior kinds and parts, the tops and branches, and even, if necessary, he must spend some money in making useful or else removing the brushwood. This is often impracticable, and by so much the forester is impeded in his main business by the economic and market conditions. He must do some "dead work," in order to create conditions favorable for his main business, and his main business is to secure a new and better crop of wood from the same soil for the future. He is not satisfied with the mere harvest of what nature has accumulated, leaving it to nature to do as it pleases in replacing the harvest; but he feels himself obligated to provide systematically for a future and better crop than nature alone could produce.

The forester's song is not "Woodman, spare that tree," but "Woodman, cut that tree judiciously," so that a new generation may arise where it stood.

Under the forester's care, then, the trees will be cut and removed, but the forest will persist. He is the preserver of the forest, not in the manner in which the public is often made to believe, namely, by preventing the use of the wood, but as all life is preserved, by removing the old and fostering the young growth. He is a sower as well as a reaper, a planter as well as a logger, for forestry is, with regard to wood crops, what agriculture is, with regard to food crops.

He may secure this new crop either by cutting off and removing all the old crop and replanting the ground, a method which is often the only possible one with our mismanaged virgin woods, where the useful species have been eliminated or where fire has destroyed all the old timber. Or else he may secure it from the seeds of the trees already on the ground, by skilful management of the light conditions, gradually removing the mother trees and securing what is called a natural regeneration.

In the latter case, before he utilizes the kinds for which he wishes to perpetuate the forest, he culls the inferior and leaves, until they have reproduced, only the more useful; he gives direction and assists in the struggle for supremacy the most fit; he substitutes artificial selection for natural selection, assuring the protected survival of the most useful. The forester's forest, then, differs from nature's forest, developed under the laws of natural evolution; for he introduces the economic point of view. And, when he finally gathers the harvest, he secures not only a larger total and more valuable product for the present, but a reproduction of only the best kind for the future.

By these means the German forests of to-day have been produced, which, while they may lack in picturesqueness, are of superior economic value, producing, on soils which are not fit for agriculture, in half the time, double the useful material that nature's forest has produced. This is done by reserving the soil for useful species only, by thinning out from time to time, and thus benefitting the remaining stand, securing the largest amount in the most useful form on the smallest number per acre. And, finally, the harvest is made, as thoroughly as the farmer makes it, to make room for a new crop, and thus successive crops are harvested and reproduced.

On this continent for the present, and for some time to come still—owing to our peculiar economic and populational conditions—our national forest resources will be to a great extent merely exploited; the lumberman will continue, for some time, to treat his forest property as an object of speculation, possibly treating it more carefully. The forester, who looks at the forest as an investment, to be perpetuated and renewed forever, comes when civilized permanency, stability of conditions warrants it, when he can make his home in the woods.

The first step towards making his business possible is adequate protection of forest properties against fires, a subject of legislation and morals. The next step is the possibility of a more thorough utilization of what we cut, and care in not unnecessarily destroying young growth, a matter depending on the development of cheap means of transportation and distribution of population.

Finally, the application of the skill of the forester is called for, such as you propose to educate in this institution.

LECTURE VII.

METHODS OF BUSINESS CONDUCT—FOREST ECONOMY.

As in every technical industry concerned in production, so in forestry the methods of the technical art are distinct from the methods of the business conduct. "Silviculture" represents the technical art of forestry; while under the comprehensive term "forest economy" we may group all that knowledge and practice which is necessary for the proper conduct of the business of forestry.

Besides the purely technical care in managing the productive forces of nature to secure the best attainable production of material, best in both quantity and quality—the highest gross yield—there must be exercised a managerial care to secure the most favorable relations of expenditure and income—the highest net yield, a surplus of cash results without which the industry would be purposeless from the standpoint of private enterprise and investment. Moreover, an orderly conduct and systematic procedure to secure this revenue is necessary.

It is possible to practice the art of silviculture incidentally, as the farmer does, or can do, on his wood lot, without special business organization and elaborate planning, the owner harvesting and reproducing and tending his crop whenever needful; but the case is different if forest growing is to be carried on as a business by itself with a view to continued and regular procedure, to continued and regular revenue; in that case more elaborate planning becomes necessary.

The one peculiarity which distinguishes the forestry business from every other business is the time element. The forester cannot harvest annually what has actually grown (the current increment); the forest crop, as we have seen, must accumulate the accretions of many years before it becomes mature, i.e., of sufficient size to be useful; hence, unless special provisions are made in the management of a forest property, the crop and the revenue would mature and be harvested periodically only, and that in long periods; from twenty to a hundred years and more would elapse from the sowing to the reaping.

The farmer may be satisfied to practise on his wood lot attached to his farming business what is technically called an "intermittent" management, harvesting and reproducing from time to time without attempting to secure regular annual returns. But when forestry is to be practised as an independent industry, it becomes desirable, as in any large mercantile es-

tablishment, to plan, organize, and manage the business so as to secure, continuously and systematically, a regular annual income nearly equal or increasing year by year.

The lumberman or forest exploiter also plans and organizes his business for annual returns, not, however, to be derived continuously from the same ground; he seeks a new field, he changes his location as soon as he has exhausted the accumulated stores of his forest property, which he then abandons and devotes to other purposes than wood-cropping.

The forester's business is based upon the conception of what is technically called the "sustained yield, a continued systematic use of the same property for wood-crops, the best and largest possible; this is secured by proper attention to silviculture, reproducing systematically the harvested crop. Finally, when the industry is fully established, he is annually to derive this "sustained yield" as far as practicable in equal or nearly equal amounts forever, under an "annual sustained yield management." This is secured by means of *forest regulation,* the principal branch of forest economy, which comprises the methods of regulating the conduct of the business so as to secure finally the ideal of the forester—a forest so arranged that annually, forever, the same amount of wood product, namely, that which grows annually on all his acres, may be harvested in the most profitable form.

As in every business, there is an ideal, a standard in conduct and condition, which the manager more or less consciously recognizes and follows, or seeks to establish, yet, on account of uncontrollable circumstances can never quite attain, so is the ideal of the forester never quite attainable, although it is his obligation to attempt and approach it as far as practicable.

The ideal conduct of the management "for annual sustained yield" is possible only under the ideal condition, which the forester recognizes in the "normal forest," the standard by which he measures his actual forest and to which he desires, as nearly and as quickly as circumstances permit, to bring his actual forest. The latter will usually be found abnormal in some one direction, or in several directions, and hence makes the ideal conduct impossible. The object of forest regulation, then, is to prepare for the change of an abnormal forest into a normal forest.

In simplest terms, the normal forest is a forest in such condition that it is possible to harvest annually forever the best attainable product; or to secure continuously the largest possible revenue.

While we have assumed, for the sake of simplicity of conception that the stands of different age, the age classes, are separate in area the one from the other, it is readily conceivable that all, or some of them, may be mixed together, on the same area, as in the selection forest, where all age classes, from the seedling to the matured timber, are mingled; and if there are enough trees in gradation from the older to the younger, allowing for losses, so that the younger age class can replace in amount the older as it is

removed or is growing out of its class, we would have arrived at normal condition for the selection forest.

In the actual forest some one condition or all conditions will usually be found abnormal. The normal accretion may be deficient, because the area is not fully stocked or the timber is past its prime, old timber growing at an inferior rate, or rot off-setting increment. The age classes are usually not present in proper gradation and amount; some of them are probably entirely lacking, others are in excess, either too many stands of older or of younger timber, so that even if the normal stock of wood in *amount* be on hand, it may be in abnormal *distribution*.

The normal accretion can, of course, be established only by silvicultural methods. The other two conditions are attained or approached by regulating the felling budget in area and amount, so that gradually the age classes and the normal stock are established.

The simplest method would be to divide the forest into as many areas as there are years or periods in the rotation, and cut one, or the equivalent in volume, every year or during every period, when after one rotation the age classes are established. If proper attention has been given to the reproduction and to keeping the reproduced areas fully stocked, the normal conditions are attained after the forest has been once cut over, i.e., during the first rotation. But this would burden the present generation with the entire cost of securing the normality: at the same time necessitating not only unequal felling budgets, as better or poorer stands are cut, but also requiring that the harvest of timber past its prime be deferred, if the forest is largely composed of old age classes, or that immature timber be cut prematurely if young age classes predominate—in either case a financial loss. Indeed, the greatest practical difficulty which confronts the forest regulator is found in gauging the sacrifices which the present must make for the sake of the future.

Altogether, the principle of the "owner's interest" must be the guiding one in the management of any property: and it would first have to be demonstrated that a sustained yield management, either annual or intermittent, and sacrifices of revenue in the present for the sake of a future improved revenue are in his interest. For it must always be remembered that financially forestry means *foregoing present revenue or incurring present expenditure for the sake of future revenue:* it involves gauging present and future advantages, and the time element, as we have seen, is the prominent element in its finance calculations.

Before an annual sustained yield management will appear profitable in Canada, many changes in economic conditions will have to take place, among which we may single out reduction of danger from fire; opportunity for utilizing inferior material; increase in wood prices by reduction of the natural supplies on which no cost of production need be charged; the development of desire for permanent investments instead of speculative

ones; an extension of government functions, leading to the practice of forestry by governments on a large scale.

Meanwhile, all that can be expected from private forest owners is that they may practise more conservative and careful logging of the natural woods, avoiding unnecessary waste, and as far as possible paying attention to silviculture, the reproduction of the crop, leaving to the future the attempt to organize a sustained yield management. Only governments and perpetual corporations or large capitalists can afford to make the sacrifices which are necessary to prepare now for such a management.

In order to secure the data upon which the felling budget may be regulated, a *forest survey* is necessary, which will embrace not only an area and topographic (geometric) survey, serving for purposes of subdivision, description and orderly management, but also an ascertainment of the stock on hand in the various parts of the property, and of the rate of accretion at which the different stands are growing.

After having determined upon the general policy of management, with due consideration of the owner's interests and of market conditions, general and local; and after having decided upon the silvicultural policy, including choice of leading species in the crop for which the forest is to be maintained, and silvicultural method of treatment, as coppice or timber forest. under clearing system or gradual removal or selection system—the most important and difficult question to be solved is that of the rotation, the time which is to elapse between reproduction and harvest, or the normal felling age, that is, the age, or, so far as age is in relation to size, the diameter, to which it is desirable to let the trees grow before harvesting them.

There is no maturity of a forest crop as we know it in agricultural crops; wood does not ripen naturally, and trees do not even die a natural death at a given period, but death is with them a gradual process of decay, the result of exterior damage, of insect and fungus attacks; trees actually die by inches in most cases, and it may take hundreds of years before the trunk is so weakened that its own weight or a wind-storm may lay it low.

The question of ripeness, or the proper felling age, wherever forest growth is an object not of mere pleasure, as in a luxury forest, must be determined by economic considerations.

There is sense in the proposition that the felling age be determined by a diameter limit below which timber is to be considered immature; in fact. the forester bases his calculations of the rotation in part, at least, upon size of crop. But the proposition, frequently advocated, to restrict a forest owner to an arbitrary diameter limit, below which he is not to cut his crops, anywhere and everywhere, is not only unsound as an exercise of state policy, but also mistakes the economic questions involved in the determination of that limit, and entirely misjudges the value of the limitation as far as silvicultural results, the perpetuation of a valuable forest, are concerned. In fact, from this last and most important point of view it might be wiser,

under certain conditions, to impose upon the owner the cutting out of everything below a given diameter. For, as we have seen, in nature's mixed forest, valuable timber and weed trees are growing side by side, the diameter restriction indiscriminately applied might prevent the removal of the objectionable portion, the weed growth, putting a premium on the decimation of the more valuable portion. Without silviculture, i.e., attention to systematic reproduction, a diameter restriction is of little value. With silviculture it is not necessary, for even the entire removal of the whole, crop-denudation, and its replacement by planting or sowing, would accomplish the object sought, namely, the continuity of the forest, and in many cases might be preferable to other methods.

In other words, the determination of the rotation or felling age, or of the felling size, is largely a matter of financial calculation. This calculation is, however, influenced by silvicultural and technical, as well as purely financial, considerations.

An estimation of value requires numerous mathematical calculations. The forester must know the current accretion or increment of each year and from this determine the average accretion, that is, an average of several current accretions. The value of a stand depends upon the size as well as the volume and quantity among other things.

The forester must in a large way be a prophet. He must forecast what wood will have the largest sale in the future and also predict if the price will increase at all. The only basis upon which he can judge is the history of the past and he will be tolerably correct unless some unforseen accident occurs. In Prussia for 65 years back the prices of wood have advanced 1½ per cent. per annum. In Canada White Pine sold for 4½-5½ cents per cubic foot 50 years ago, whereas in 1893 it sold for 16-42 cents per cubic foot and to-day commands 60 cents per cubic foot. This is a very large advance.

Besides capital and time there must be present an economic spirit such as no other business requires. The product can be differentiated from the capital, but forest management is dangerous in private hands especially with little capital behind it. Hence, from the standpoint of the future this is a business which rather belongs to the state or a persistent corporation. In Germany, forestry has been practised for over a hundred years, and the statistics of the German states will show the financial results.

Let us take a glimpse at the results of forest management in Saxony from a business point of view:

	1824-33	1854-63	1884-93
Gross Revenue..	$1.75 per acre	$3.74 per acre	$6.67 per acre
Expenditure....	80 "	1.15 "	2.30 "
Net Revenue....	95 "	2.59 "	4.37 "

Saxony owns 430,000 acres, so by multiplying 430,000 by 4.37 we can find her net revenue from forests alone. Besides this we find the felling

budget to be an average of 60 cubic feet per acre in the first period, 70 in the second, and 90 in the third, and while 17 per cent. of total cut was serviceable for lumber in the first period, 79 per cent. was serviceable in the last. These figures show what forestry when carried on properly can do for a country.

Prussia can show similar statistics, and we find that in this State the revenue has also risen in direct proportion to the expenditure, and consequent better management. There is no better investment to be had.

In Germany often the towns or villages own forests, when to be a citizen, means securing a dividend instead of paying taxes.

LECTURE VIII.

THE CHARACTERISTICS OF WOOD.

The forester's business is not so much to produce trees, or even forests, but the chief material which they furnish, wood; and not only wood merely, but wood of certain quality, fit for use in the arts. He must, therefore, not only be able to recognize the different woods and know their qualities and their applicability for various uses, but more! he must know how differences in quality are produced and apply that knowledge in the production of his crop. All the technical qualities—weight, hardness, strength, appearance, and even color to some extent, and the behavior of wood can be more or less directly traced to their variable structure—the varying combination of the cells, with thinner and thicker walls, larger and smaller lumina (openings), and cell systems, which make the wood.

Without going into details and microscopical distinction, a mere microscopic inspection with the magnifying glass of the gross features reveals much of the characteristics of the wood. A cross section (across the bole) serves the purpose best although tangential sections (parallel to the central axis) and radical sections (in direction of radius of the cross secton) reveal also special features.

Comparing cross sections of our northern trees of various kind, we find that they can be classified in three classes differing clearly in appearance of structure. The distinction is found by examining each annual ring in itself, and the change from one ring to the other.

This examination reveals that in each case there are two zones defined in the ring of the year's growth, in most cases recognizable by color distinctions, namely the lighter colored interior part—the spring-wood, so-called because it is the first wood formed in spring—and the summer-wood, the last wood formed in the season. The former is lighter colored, because formed of thin-walled cells with wide lumina, forming a loose, open structure, while the latter is dark colored, because of thick-walled cells with small lumina, which reflect the light differently, forming a dense, compact structure. The wide-lumened cells or cell fusions may become so conspicuous that they appear like larger or smaller pores—cut-through "vessels" —and according to whether such pores occur, whether they are found distributed more or less evenly throughout the annual ring or whether they are more or less distinctly grouped in the spring-wood, the distinction is made into non-porous, diffuse porous, and ring porous woods.

The ring porous woods, like the oaks, ash, elm, concentrate their large-lumened vessels or "pores" into the spring-wood so that each ring is prom-

inently visible. These woods are mostly the hard woods of the broad-leaf trees, their compact summer-wood being the hard part. The diffuse-porous woods, which have their vessels and pores of smaller size but larger number, more or less evenly distributed, are mostly the soft wood like poplar, aspen, tulip tree; the summer-wood being also porous, and only the last one or few layers of cells being made up of thick-walled, small-lumened, compressed cells, making distinction of the annual ring difficult. The conifers represent the non-porous woods, that is to say, they have no pronounced large-lumened vessels or "pores." Their structure from beginning to end is the most simple and uniform. The only difference between summer-wood and spring-wood is that the former has the cells (or tracheids, so-called) thicker-walled and compressed in radial direction. Here, too, we will find soft and hard woods. The hard woods being represented by the Yellow pines and the Douglas fir, which form many summer-wood cells—the harder, dark-colored part of the annual ring—while others, like the White pines, cedars, etc., have only a few such compressed summer-wood cells, the annual ring being less pronounced.

The varying distribution of large and small pores in the broad-leaf trees permit not only further distinction of genera and species, but also judgment of qualities. It stands to reason that a larger percentage of the thick-walled elements, *ceteris paribus,* means heavier, stronger wood, so that by mere physical inspection at least a comparative judgment of the value of wood may be formed.

Since according to species the proportion of summer-wood and spring-wood varies with the rapidity of growth (width of ring) and since the forester can make trees grow faster or slower, he has it partially in his hand to produce difference in quality.

Another feature of the structure which are both used for purposes of identification and exercise an influence on technical qualities, are the so-called medullary or pith rays. While most cell tissues and wood fibres lie with their longest diameter in the direction of the length or axis of the tree or branch, the pith rays, aggregates of cells, lie with their greater diameter in radial direction interrupting the straight course of the wood fibre. They are, therefore, points of weakness. On the cross section they appear as radial lines, finer or broader, sometimes so fine, as in the conifers, as to be hardly distinguishible, again so broad, as in the sycamore and the oak, as to form a most prominent feature of the structure. It is especially in the radial and tangential cuts, which are the ones mostly exhibited in structures, that the pith rays play a role, appearing as different colored plates in the quarter-sawed maple, beech or oak, and as narrow indentations on the tangential cut. The absence or rather scanty development of pith rays in conifers is one of the reasons of the uniform quality and behavior in shrinking of these woods, while the difficulty in seasoning oak without checks is largely due to the presence of many highly developed pith rays.

In seasoning, the wood loses the water stored up in it; as it evaporates from the cell wall on the outside it is supplied from the cell-lumen on the inside—no shrinking of cell-walls takes place until the water of the lumen is exhausted and then the cell-wall must give up its water, the molecules composing the cell walls draw closer with the water molecules removed by the dry air—the cell or cell-tissues shrink. The thicker cell-walls of the summer-wood contain of course the most water and hence shrink also more than the spring-wood cells. Hence, the ring-porous woods, like the oak, shrink more unevenly, and are liable to warping and checking. The pith ray cells lying in different directions also shrink in different direction more, and other source of season checks is due to them.

While then the complicated structure of the ring-porous woods furnishes greater strength structurally, it also imposes greater care in their handling.

In general, the heavier wood is also the stronger, and the quality of the wood, with trees of pronounced summerwood zones, varies from the centre of the tree to the periphery, according to the rapidity of its growth. Since, as a rule, the rate of growth in diameter is greatest between the 40th and 80th year, the heaviest and strongest wood would lie in that part of the tree. And as the wood does not change in structure it was also strongest when it was still on the outside of the tree, i.e., when it was "sap-wood." In old age, to be sure, the tree growing slowly makes poorer wood and hence in old trees the sap-wood, not because it is sap-wood, but because it is old wood, is weaker.

LECTURE IX.

PRINCIPLES AND METHODS OF FOREST POLICY.

The forest cover is of more importance to the household of a nation than many other of its resources, it bears a peculiar relation to national prosperity, and its management for continuity offers various unique and peculiar aspects, which call for special active interest by the community at large and by its representative, the state.

Briefly summarizing the arguments for such special interest and exercise of governmental activity, we recall that the forest is a natural resource which answers simultaneously three purposes of civilized society; it furnishes directly materials used in very large quantities and almost as needful as food; it forms a soil cover which influences, directly and indirectly, under its own cover and at a distance, conditions of waterflow, of soil, and of local climate; it has, in addition, an aesthetic value, furnishing pleasure and recreation and benefitting health.

The exploitation of this resource for private gain is apt to lead to its deterioration or eventual destruction, especially in a country where population is relatively small and unevenly distributed, when only the best kinds and the best cuts can be profitably marketed. Hence, since profit is the object of private enterprise, exploitation under such conditions must be by necessity wasteful. By the removal of the useful kinds and of the desirable individuals, leaving the ground to be occupied by tree weeds and runts, the reproduction of the desirable and useful is prevented, and since the forest, by changing its composition and quality is deteriorated in value, the future is injured as far as material interests are concerned.

Since, with the removal of marketable timber, the interest of the individual in the forest is gone, it is naturally neglected, and conflagrations which follow the wasteful exploitation, with the accumulated debris left in the woods, kill or damage, not only the remaining old timber, but more especially all the young growth. Even the soil itself, often formed only by the mould from the decay of leaves and litter accumulated through centuries, is destroyed, and thus, not only the practicability, but the possibility, of restoration is frustrated.

In many localities the consequences of such destruction are felt in deterioration of climatic conditions, and in uneven waterflow, floods and droughts being exaggerated; in this way damage is inflicted on portions of the community far removed from its cause and unable to protect them-

selves. The private individual can hardly be expected to appreciate these distant interests of his own motion in the management of his forest property; hence the state must guard them.

The desire to get the largest present profit from his labor, which is the only incentive of private enterprise, will be also a constant incentive to curtail the wood capital necessary for a sustained yield management, and to let the future take care of itself.

The interest in the future lies with the state; the state must interfere, wherever the interests of the future clearly demand it.

The state is to protect the broad interests of the many in the community, against the inconsiderate use of property by the few; and special stress is to be laid upon the necessity of including the interests of the future community in this consideration, calling for the exercise of *providential* functions on the part of the state.

There is, however, one great generic difference between the forestry business and all other productive industries, which places it after all on a different footing as far as state interest is concerned; it is the time element, which we have again and again accentuated, and which brings with it consequences not experienced in any other business.

The result of private activity which is supposed to come from self-interest is closely connected with the working of the well-known economic law of supply and demand which regulates the efforts of the producer. This law and the self-interest can be trusted to bring about in most cases a proper balance rapidly, but in the forest business this balance works sluggishly; before a shortage in supplies is discovered and appreciated, stimulating to productive effort, years will have elapsed, years which are needed to prepare for a supply to become available in a distant future. How difficult it is to get conditions of forest supplies recognized and appreciated, we in the United States have experienced in regard to our White Pine supply.

We must, then, admit that, even with regard to supply forests, the position of the state may be properly a different one from that which it would be proper and expedient to take toward other industrial activities.

When, in addition to the more material function, the immaterial benefits of a forest cover enter into the question or become paramount, there can be no doubt that both principle and expediency call for timely exercise of state activity. The so-called protection forests, therefore, which by virtue of their location on steep mountain slopes or on sand dunes, or wherever their influence on soil conditions, waterflow, and climatic factors can be shown to be superior to their natural value, must claim a more intimate and direct attention by the state.

There are *three different ways* in which the state can assert its authority and carry out its obligations in protecting the interests of the community at large and of the future against the ill-advised use of property by private owners: namely, by persuasive, ameliorative, or promotive measures,

exercising mainly its (1) *educational* functions; by restrictive measures or indirect control, exercising (2) *police functions;* and by direct control, i.e., (3) *ownership and management* by its own agents.

First, we have to discuss educational measures, taxation and tariff duties, bounties, and other aids in promotion of private industry.

The educational function of the state is now recognized as one of the most prominent and beneficial in all civilized nations, although the degree and generality of its application still vary.

We believe that finally, in each country, it will be considered a part of proper forest policy for some public institution of learning to furnish *instruction in forestry.*

The only danger is that multiplication in number rather than increase in efficiency of a few such institutions will be the rule of the day, when the fever sets in.

In the European forestry literature a lively discussion has continued for years as to whether the higher education in forestry should be given at separate special academies or forestry schools, or whether these should be connected with universities. There are advantages and disadvantages in either arrangement; but the better facilities which can be had at a university, with its concentrated intellectual and laboratory apparatus, give the preference to the latter.

Besides the establishment of schools, there are other means open for the state to exercise its educational functions. The endowment of *scholarships,* especially travelling scholarships, has been of greatest value in increasing capacity and intelligence for promoting communal interests.

Next, no more efficient means of education in practical arts which, like forestry and agriculture, rely still largely on empirics, can be devised than the establishment of *experiment stations.*

If, as has been practically conceded, experimentation in agricultural lines is best done by state institutions, this is still more true in forestry lines, on account of the time element involved in most forestry experiments. In agriculture the answer to an enquiry may be often secured in inexpensive ways, and may be given in one season; while in forestry, years of patient waiting and observation, wholesale methods of measurements, large areas, and a large number of cases, are required to permit generalization.

The advantage of connecting such experiment stations with institutions of learning needs hardly an argument; the mutual increase of educational facilities and opportunities is patent. These educational means can, of course, be extended by proper methods of publication of results, by organization of meetings for their discussion, by so-called university extension, and, finally, by the *promotion of associations* which have for their object the increase of application of knowledge in the actual forestry practice. Such associations give opportunity of impressing and driving home

what is desirable in practice, and also, of finding out what are the needs of the private owner, and what the state should do to further his interests.

A more direct and far-reaching influence upon private activity, still of an educational character, is properly exercised by the state in securing and publishing *statistical information.*

In the well ordered state the soils most fit for agriculture should be devoted to systematic food production, but just so should the non-agricultural soils, the *absolute* forest soils, be devoted to the systematic production of wood-crops; moreover, as we have seen, the forest in certain situations, exercises a potent influence on cultural conditions. Hence the knowledge of the extent of forest area of a country is by itself meaningless; the character of the soil the forest occupies, its topographical location, and its relation to the hydrography of the country, must be known to permit an estimate of cultural conditions, to prognosticate likely change in area and the desirability of interference in its use.

To get an idea of the amount and value, present and prospective, of the existing resource, there must be known the composition, i.e., relative occurrence of merchantable kinds and conditions as to density, age, and character of growth, damage by fire, etc., and, most difficult of all to ascertain, conditions and stages of development of the young crop.

In addition to these educational methods which incite private activity in the right direction by indirect means, namely, by increase of knowledge, there are more direct ameliorative or promotive measures to be found in bounties which are given to aid private endeavor in the pursuit of private industry.

These may take the form of assisting by money gifts, by furnishing plant material, by giving land as in our timber claim planting, by making working plans or otherwise specifically assisting in private forest management beyond the gift of general information, and finally by tax release and tariff duties.

Within the last few years the Federal Government of the United States has inaugurated through the Forestry Bureau of the Department of Agriculture another method of encouragement which is also practised in the old countries, namely, to give to private owners specific advice as to the management of forest properties, the government bearing the larger share of the expense of securing the data for these so-called working plans. But for the educational feature involved, this would be a violation of our principle that the state should not do for the private citizen what he could do for himself. If, however, the benefit to be expected for the community at large is thereby secured, expediency would lend countenance to such a method. The probability, however, is that in the absence of an obligation to follow the working plan, and in the absence of technical supervision in its execution, the results will be hardly commensurate.

The one promotive action of the state, which is pre-eminently required to establish a proper forest policy, the propriety of which cannot be questioned for a moment, and which arises from the primary function of the state, its police function, is to afford *protection to forest property,* at least equal to that afforded to any other property and adequate to the peculiarities and needs of such forest property.

Such protection is the unquestioned right of the forest owner, and without it he cannot be expected to maintain a "sustained yield" management which requires maintainence of a large wood capital subject to depredations and to destruction by fires unless properly guarded.

It is not sufficient for the state to legislate, but, at least wherever broad communal interests are at stake, it must provide the machinery to carry out this legislation.

The principles most needful to keep in view when formulating legislation for protection against forest fires are:

(1). A well-organized machinery for the enforcement of the laws must be provided, in which the state must be prominently represented, since the damage done by forest fires extends in many cases far beyond immediate private or personal loss.

(2). Responsibility for the execution of the law must be clearly defined, and must ultimately rest upon one person, an officer of the state; but every facility for ready prosecution of offenders must be at command of the responsible officer.

(3). None but paid officials can be expected to do efficient service, and financial responsibility in all directions must be recognized as alone productive of care in the performance of duties, as well as in obedience to regulations.

(4). Recognition of common interest in the protection of this kind of property can come only by a reasonable distribution of financial liability for loss between the state and local community and the owners themselves.

Generally speaking, restrictions and supervision of private forest industry have proved themselves mostly undesirable and impracticable; their only justification would appear when protection of neighboring properties or of general communal interests demonstrably require them.

The recognition of the fact that the removal of the protecting forest cover may give rise to shifting sand and sand dunes, which may encroach and despoil larger areas beyond, is sufficient call for the exercise of the police functions of the state to prevent such damage, if we admit the providential character of such functions.

The experience that the deforestation or even bad management of the forest cover, forest devastation, on mountain tops and hills, leads to excessive water stages, to destructive floods, filling channels, thereby impeding navigation and silting agricultural soils, damaging neighboring or distant interests, again makes the exercise of the police function of the state, in a

wider sense in which I have defined it, necessary in order to prevent the consequences of mismanagement of the protective forest cover in such particular situations.

The sugar planter in Louisiana, whose crop is endangered or destroyed by overflows due to causes a thousand miles away, has a right to protection through the government.

Finally, however, it will be found that control and supervision of private property is an unsatisfactory, expensive, and only partially effective method of securing conservative forest management, where the necessity of maintaining a forest growth may exist and the financial margin that can be had from it is but small. Experience in the old countries has shown that, in spite of the much more perfect machinery for enforcing laws, and in spite of the much more ready disposition to submit to laws, than we are accustomed to see in this country, the attempts to control private property have been largely without the desired result.

It then becomes preferable for the community to own and manage such forest areas.

Such ownership may rest either in the state or else in the country, the town, or other political subdivision which seems most nearly interested in the maintenance of the protective cover. To obtain possession, if it cannot be had by purchase, the necessity of exercising eminent domain is now recognized in most civilized states where public objects, public safety, or public utility require it; usually, however, the objects for which this power may be called into requisition are definitely stated by law.

Finally, when the ideal, the socialistic, co-operative, most highly organized state will have developed, the policy will be that the community shall own or control and devote to forest crops all the poorest soils and sites, leaving only the agricultural soils and pastures to private enterprise.

LECTURE X.

THE FORESTER, AN ENGINEER.

The object of this lecture is to show the variety of directions in which the forest engineer must expend his energies. The harvesting and marketing of the wood crop requires the services of men with engineering education and ability, and they are best educated where practical sciences and engineering are taught.

There is hardly any business concerned in the manufacture or production of materials which does not require some knowledge on the part of the producer as to how to adapt means to ends, how to use mechanical and physical properties of matter in construction and locomotion; and in applying this he fulfills the definition of an engineer. The forester's business is one in which the need of engineering gumption and knowledge appears in various directions so prominently that he can without impropriety be called a specialized engineer, and in fact the title of "Forest Engineer" is given to the graduates of forestry schools in several countries.

The one thing in which the forestry business differs from all other business is the long-time element, for it takes a hundred years and more to grow trees fit for the use of the engineer, the builder and the architect; hence the dollar spent now in its first start must come back *with compound interest* a hundred years hence. This long-time element entails careful planning, entails economy and prevision. Hence, all the forester does must be done with permanency in view. And here again the lumberman and forester differ in objects, and therefore in methods; the one treats his property as a speculation, a *temporary* occupancy; the other treats it as an investment; *permanent* management, continuity of occupancy, is the basis of his actions.

The first step in taking hold of a forest property is, therefore, a survey of the same, not only of its boundaries, but of its topography and character, as well as of its contents. Surveying, both line and topographical surveying, are requisites of a competent forester. While such a first survey might be made by regular surveyors, as the work of the forest manager progresses and needs recording on the maps, it will be found useful if he can do his own surveying, and thereby become competent also to interpret readily topographic maps. Such surveys, being not for general map purposes but with engineering work in view, must be made with more care and on a larger scale than is usual wth such field maps as, for instance, those of a Geological Survey.

Subdivision is necessary for more easy systematic procedure. Fire-lanes, or cleared strips for protection against fire, must be kept clean.

The next direction in which engineering knowledge is required is in the locating and laying out and constructing of roads and other permanent means of transportation, for to be accessible in all its parts is finally of greatest importance in managing a property for permanency. In our undeveloped conditions, especially in the absence of local markets, we may still be satisfied with a minimum of permanent road system, substituting temporary roads and means of transportation, and leaving to future generations their further development; but the plans should be made for permanency from the start, even if their execution is delayed. Cheap but efficient road building and railroad building, I am afraid, is a matter with which even few engineers are well acquainted; it is a subject in which the

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forester is intensely interested. Building of bridges in a cheap and effective way is part of the forest engineer's work. These means of transportation are, of course, needed to remove the harvest, and to handle this bulky material cheaply requires no mean engineering skill.

The first task of the forester, then, in beginning the management of a forest property is to provide cheap and efficient means of transportation for the removal of a bulky crop, of which much is inferior, and if possible to so arrange this harvest that it may be made gradually and continually, logging over the same area for a number of years.

Here, in the harvest, logger and forester have similar, yet not identical interests, for the logger lacks the requirement of logging over the same area gradually and continually, of having to remove cordwood, weeds and

LUMBERING RAILWAY.

BURNT PINES, CARSON LAKE, C. A. R., RENFREW CO.

Photo by Houghton W. Wilson.

debris, of caring for the young aftergrowth. Nevertheless, the forester must naturally do much the same as the lumberman, and utilize the engineering skill which has been developed in the logging business.

According to the size and location of his property and the working capital at his disposal, he will resort to old fashioned methods of logging—skidding the logs by horses or mules to skidways, and hauling them on wagons or with sleds on ice roads to the landings; or using lumber slides and water flumes to bring the material either to rivers, which he may have to dam and regulate in their course in order to float and drive the softwoods, or to rail if hardwoods; or else he may benefit from the development of steam logging devices in connection with steam railroads.

DAM AND TIMBER SLIDE, McGILLIVRAY LAKE, COULONGE, QUE.

Photo by Houghton W. Willson.

Whether the transportation is by rail or water, or by sled or wagon, the locating of the roads is one of the most important functions of the logger. Be it that temporary winter roads or permanent summer roads are to be used, a well planned system of main roads and branches must be located. So important, for financial reasons, is the question of road location considered in German forests, that a permanent road system forms most important initial investment—on our undeveloped lands the only plan is temporary roads.

In logging operations, as now conducted, engineering structures and operations are constantly employed.

Even the *felling* of such trees as the great western pines is a piece of engineering requiring the greatest skill and judgment. The long shaft must fall so as to clear the surrounding trees, and not destroy its own value and that of others by crushing or lodging. Skidding is now in some forests done by an engine and wire rope. First successfully applied in the cypress swamps of the South, then on the mountains of the Pacific Coast with the ponderous pines and firs, these steam skidding methods promise to supercede the old-fashioned horse and mule wherever large enough masses, especially of hardwoods, are to be lumbered, and where railroads can be profitably employed to bring the log harvest from the forest to the mill.

TIMBER SLIDE, HIGH FALLS, MADAWASKA.

Photo by Houghton W. Wilson.

The present *steam-skidding* system, first suggested by Mr. J. H. Dickinson, relies upon a stationary hoisting engine, and brings the logs from shorter or longer dstances to the cars by wire ropes running over drums, the ropes being disposed in various ways according to the lay of the ground. One of the essential devices is the cast steel nose or cone (Baptist patent), which caps the log automatically when the rope is pulled taut, and steers the log over any stumps, stones, or other impediments.

FALLS AND SLUICEWAY, WHITEFISH RIVER, ALGOMA.

Photo by J. W. Wells.

CATARACT AND TIMBER SLIDE, WHITEFISH RIVER, ALGOMA.

Photo by J. W. Wells.

There are now four different methods of steam skidding used. The simplest, applicable to flat lands, consists in snaking the logs over the ground and assembling them at the cars by means of a hoisting engine and drum, a horse returning the rope with a grappling hook or tongs at the end; the loading is done by a separate rope and drum.

The distance to which this skidding may be done is, of course, dependent upon the length of rope which it is practicable to wind on the drum or drums and to have the horse return. Usually this is not more than 800 to 1,500 feet, when the machine may make from 150 to 250 pulls per day, the cost on the average with a crew of eleven men and three mules being about

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$2.4 per day, and the output, of course, dependent on the character of the timber and the log size, which determines the number of feet coming with each pull.

Where the ground is less flat and simple in contour, and where it is preferable to return the rope and grapple automatically, the "slack rope system" may be employed. In this system a wire cable is strung from a head tree near the engine to a stump in the woods, on which travels a carriage (Miller patent), with a specially designed block (Butler's patent) through which the skidding rope with logging tongs works, so as to allow sidewise extension; an outhaul rope, running over a separate drum of the hoisting engine, returns carriage and tongs to the woods, where the tong men pull the rope slack and attach the tongs to the logs lying along the line shorter or longer distances.

The loading on cars is done by a separate set of drums and rigging. To use this system, which may extend to a longer distance than the snaking system satisfactorily, the ground must be tolerably free from rocks and obstructions. According to conditions and distances, from 80 to 120 pulls may be made in a day. A later improvement provides for a number of side lines working simultaneously, by which the efficiency is greatly increased; otherwise horses or mules gather the logs to the pulling line.

In the cypress swamps, where this method is largely used, the machine is placed on a large scow, moving in canals prepared to float the logs. Here the distance to which the skidder works is 2,500 to 4,000 feet, the ponderous logs moving at the rate of 500 to 600 feet a minute, breaking through the timber with thundering noise. Such a pull boat is capable of landing 30,000 to 50,000 feet per day in the water.

In more mountainous districts, where narrow valleys and coves with steep slopes are to be lumbered, the log-gathering system finds its conditions. In this a cable is stretched from slope to slope across the railroad track in the valley, and the logs are gathered to the track by the skidding rope and carriage. The distance to which the system may work, depending somewhat on the degree of slope, may be up to 1,000 feet, when from 120 to 150 pulls per day may be made.

In these last two systems up-hill skidding is, to be sure, as easy, or even easier, than down-hill. According to conditions, either of these systems, or any combination of them, or a combination of skidding by horse and steam, or a relay system with several engines placed one after the other reaching out long distances, will give the best results.

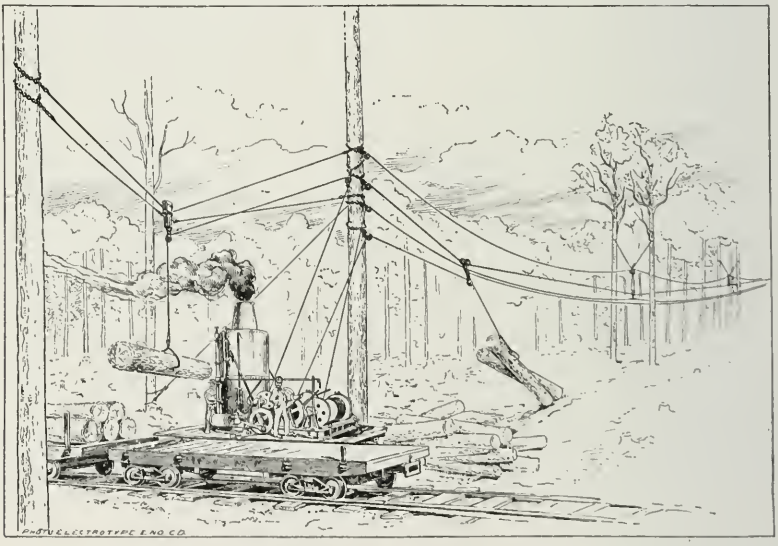
The first steam logging railroad was built in Michigan in 1876 by W. S. Gerrish, who was called a hare-brained enthusiast for his innovation, which, however, proved successful. Ten years later many such logging roads of 25 and even 45 miles in length; and altogether over 3,000 miles were in existence; in Michigan alone over 720 miles. Now the logging railroad has become so general that the mileage may be estimated to exceed 25,000 miles.

There are still three different kinds of logging railroads in use: The pole road, the tramway with sawed wood rails with or without strap iron capping or flat bar iron rail, and the iron or steel T railroad. Each road has its merits and advantages of its own in given situations, although the regular steel T railroad, all things considered, seems to have found most favor.

In the Cornell College forest a standard gauge with 40-pound steel rail has been used on spurs, and a 46-pound rail on the main road, with a 27-ton engine.

The economical construction of logging roads which are designed to serve only a temporary requirement is one of the engineering problems which more and more interests lumbermen, and even to a greater extent

foresters, who are forced to secure even greater economy, since the margins from their business are for a time at least necessarily smaller. In such roads cuts and fills must be avoided as much as possible, while heavy grades, numerous and sharp curves are necessarily to be extensively used. and it takes a careful weighing of saving in cost of first construction against losses in maintenance and efficiency, such as no engineer is called upon to make in constructing standard roads. It stands to reason that to secure the least expensive logging roads, the main effort must be made in the location of the road, for this influences not only the cost of constructing but of operating it. No rules but engineering gumption must determine Where wood is cheap and right at hand, it is often indicated to use imperfect and unmarketable logs instead of earthwork, or matting of brushwood and cribbing for crossing swamps, and similar devices which do not commend themselves for main lines.



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In Europe portable tramways and *wire rope* ways are much employed —the longest, five miles, being in the Alps. Portable railways are sometimes employed in connection with more permanent roads, 2 rails attached to steel ties; each yoke, 10-15 feet long, with 10-24 lb. rail, weighing 75-100 pounds, hook into each other. The newest type has been invented by a forester, and is laid without rails. The log-slide, with or without water. is a device well-known in mountainous or broken regions where water is available. One such in the Sierra Nevada is an incline 4,000 feet long and with a 1,400 feet elevation. It delivers 10,000 cords a day.

Altogether *landing places* and terminals must be located with circumspection, to take care of the bulky material and secure the cheapest handling

of it, which, with cordwood even more than with logs, depends upon the character of the landings.

There are now very generally employed steam loaders; hoisting engines with outhaul ropes running over drums, which pick up the logs alongside the track. Various devices are resorted to to facilitate the passing of cars and to locate the loader with reference to cars and landing places.

In the "Barnhart" and in the "American" Loader this is accomplished by having rails laid on the cars on which the loader travels, pulling itself along as needed, the latter on two short portable sections of track, the former on permanent track. Such a loader of the Barnhart type as used in the College forest, will pick up and load from 600 to 800 logs per day, the logs being banked to within 100 feet or so from the track. It is able to move on a pivot in all directions, and the character of the landing place is of little importance.

In the "Decker" log loader the clearing of the track for bringing empties to the loader is accomplished by allowing them to pass underneath the loader over a three-rail section of track, which rises from the main track and is carried by the loader on its lower story.

In forestry work, where the care for the young aftergrowth must be taken into consideration, modification of the methods of procedure will be required. They are, however, directly applicable where clearing with artificial planting is practiced, or where the strip system is used, which consists in clearing strips and securing the reproduction by seeds from the neighboring old timber which is left standing. When the forester shall be a fully recognized and established institution in Canada we may expect that he will develop these methods of exploitation to suit the additional requirements of silviculture.

In mechanical engineering, also, there is still a wide field unoccupied, the development of which would aid the business of the forester. We are still relying on brute force for felling trees, sawing them into logs and cutting and splitting cordwood. Attempts to apply steam or electric power in tree felling have so far failed to bring out any practical method. There are now on trial cordwood cutting machines, but they are so far only applicable for very special conditions which can be rarely met.

In entirely different direction is engineering skill demanded, and a special line of *forest engineering* has developed in connection with the reclamation and reforestation of sand dunes and denuded mountain sides. This has been especially developed by the French foresters, the French government having spent many million dollars in covering the lands and sand dunes of Gascony, and in safe-guarding Southern mountain ranges against torrential action induced by deforestation. This forest engineering is now practiced in all countries where forestry is developed and the necessity for this work has been recognized.

The fixation of sand dunes has also been begun in the United States by the Harbor Commissioners of Massachusetts at Cape Cod and elsewhere. It is a simple operation, which consists in first quieting the sand by mechanical means, fences and brush, or turf cover, and by cutting off or breaking the force of the wind by means of an artificially induced forward dune. Then grasses and other deep-rooting and root-creeping plants are used to bind the sand together, and finally tree growth can be established to give permanent protection.

On the denuded mountain slopes it is also first the mechanical quieting of water and soil movement which must precede the work of the forester. This work must begin at the top of the mountains, where the waters gather their momentum into torrents which carry soil and debris to lower levels. By fascine works, revetments and retaining walls the waters are obstructed

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in their direct descent, and the violent rush over steep slopes is changed into gentle falls, when the pockets behind the breastworks are filled up with the debris and soil. Then when the waters are directed into proper channels and the soil has thus become quieted, sodding and sowing with grass restores the meadow on the gentler slopes, while on the steeper slopes a forest growth is planted and the equilibrium of nature's forces, which man had disturbed to his own detriment by the reckless devastation of the mountain forests, will be gradually re-established.

These glimpses into the problems of an engineering character which are presented to the forester will suffice to justify the claim that he is in need of a considerable amount of engineering knowledge and gumption, which is to be applied under conditions in which it is not usually practicable to employ an engineer.

While for main constructions it may be advisable to call in an engineer, at least in consultation, in smaller constructions and in operating roads, railroads, etc., the forester can hardly afford not to be his own engineer. He must have the knowledge which will make him independent of the professional engineer. Students of forestry, therefore, need a course in engineering which will make them acquainted with principles and methods of construction of special interest to them in their business. On the other hand engineers may find a field in solving engineering problems for the forester, and in improving his methods, without becoming professional foresters.

LOGGING.

Annual Report

OF THE

Bureau of Forestry

FOR THE

Province of Ontario

1904

PRINTED BY ORDER OF
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To the Honourable WILLIAM MORTIMER CLARK, K.C.,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Report of the Bureau of Forestry for the year 1904.

Respectfully submitted,

J. J. FOY,

Commissioner of Crown Lands.

Hon. J. J. Foy,

Commissioner of Crown Lands.

Sir,—I have the honor to transmit the Report of the Bureau of Forestry for 1904.

I have the honor to be,

Sir,

Your Obedient Servant,

Thomas Southworth,
Director of Forestry.

May 16th, 1905.

FORESTRY PROGRESS IN ONTARIO.

The progress of systematic forestry in the Province of Ontario continues at a satisfactory rate both in the better appreciation of its importance on the part of the public and in the matter of legislative action.

An appreciation of the need of expert knowledge in this line has been shown by the appointment of a Provincial Forester to the staff of the Bureau of Forestry, in the person of Judson F. Clark, Ph. D., (Cornell). Dr. Clark, although in the service of the United States Bureau of Forestry at the time of his appointment, is a Canadian and a graduate of the Ontario Agricultural College. His professional training was obtained at Cornell University and in Germany. On his return from Europe he was appointed Professor of Forestry at Cornell University with special charge of the courses in timber physics and forest measurements. After two years of teaching he left Cornell to enter the service of the United States Bureau of Forestry where he had the advantage of much practical forest work.

A further advance has been made in the adoption by the Department of Agriculture of the policy of growing suitable planting stock for the improvement and extension of farm woodlands and the providing of expert advice for the assistance of such farmers as might wish to co-operate with the Department along these lines. This action is the outcome of a discussion on the subject of farm forestry at the annual meeting of the Experimental Union held in Guelph in the winter of 1902, and will no doubt be of great advantage to the farming interests of the Province. During the past season the Department of Agriculture secured the services of Mr. E. J. Zavitz, a graduate of McMaster University, who is now completing his final year of professional forestry studies at the University of Michigan, who established a large forestry nursery at the Ontario Agricultural College to grow the planting stock required in the pursuance of this policy of assistance to farmers desirous of improving their woodlands.

Among other subjects discussed at the same meeting was that of some change in the Assessment Law providing for a reduction in the taxation on woodland areas which were devoted exclusively to wood production, and which come up to a desirable standard of production. No legislative action has yet been taken in this matter.

The fire ranging system in operation on the public forest lands under license continues to be an increasingly useful institution in the protection of the standing timber in which both the lumbermen and the Province have a direct and very large financial interest. The number of rangers applied for by the lumbermen has been greater than ever before, which indicates an appreciation of the value of the service to the lumbering interests, and a desire on their part to increase its efficiency.

During the past season the Department organized a fire protection service for the protection of the lands along the line of the Temiskaming and Northern Ontario Railway, the building of which through a practically unbroken forest presented unusual dangers. The expense of this service, which proved to be most efficient, was borne jointly by the Department and the Railway Commission. A feature of this service was the use of railway velocipedes by the rangers, which enabled them during dry seasons to follow up the trains and extinguish at once any incipient fires.

Forest Reserves.

Since the last report of the Bureau two extensive additions have been made to the permanent Forest Reserves, amounting in all to 6,700 square miles, or 4,288,000 acres, and known respectively as the Western Temagami Reserve, and the Mississaga Reserve.

Western Temagami.

On December 2nd, 1903, the Director of Forestry addressed the following memorandum to the Assistant Commissioner:

Toronto, Dec. 2nd, 1903.

Memorandum for Assistant Commissioner.

Re Forest Reserves.

Sir,—I am directed by the Hon. the Commissioner to submit to you recommendations as to additions that may profitably be made to the present system of Permanent Crown Forest Reserves.

I understand the objects of the Act to Establish Forest Reserves to be, in the first place, the setting aside and withdrawing from agricultural settlement such areas of land as are found to be unsuited for general agricultural purposes, and in the second place, to provide for the care and protection of the lands so set aside, with a view to the perpetual use of these Reserves for the furnishing of timber supplies, and public revenue.

There is in the Province a good deal of land coming under the above description, that is not available at present for Forest Reserves, owing to the fact that it is under lease or license to lumbermen, and it would not, in my opinion, be expedient or wise to place this under the operation of the Act until the termination of the leasehold now held by the lumbermen in question.

I take it also that in the establishment of further Reserves, it would be well to include only such land as it may be possible or expedient to properly protect from fire, poaching, etc. The setting aside of land in Reserves implies the intention of the Government to place it under proper supervision with a view to its being protected from fire, and also to supply the means of a proper estimate of the timber growing upon it.

In the case of lands that are non-agricultural, but that in consequence of forest fires, have been burnt over in comparatively recent times, and that are remote from settlement or tourists, and therefore not in danger of any material loss by fire for some length of time, I do not think it would be advisable to include these lands in the Reserves at the present time, as the cost of patrolling and protecting them would, I think, scarcely be justified.

The Temagami Reserve, which comprises a territory of 2,250 square miles, as you are aware, has been under the supervision of a staff of rangers for the past three seasons, and no material damage from fires has taken place. Numerous incipient fires have been discovered and extinguished by the rangers, and had they not been present, very serious loss in timber would have resulted. On two occasions the loss would have occurred from a fire started by lightning; in one other case the fire started from an unextinguished camp fire of some tourists from Pittsburg, Pa.

As I have pointed out to you on previous occasions, the Temagami Reserve is so situated as to be fairly well protected at comparatively small

expense. The principal danger from fire in this Reserve occurs from the presence of numerous tourists during the summer season, and from mining prospectors. Under the present regulations, the latter class are required to take out a license before being allowed to prospect, and we are therefore able to control them. In the case of tourists, they are only able to reach the Reserve mainly through four different channels, and by patrolling these entrances to the Reserve, a comparatively small staff of rangers have been able to keep close watch of all parties coming in.

During the past summer a large number of tourists have gone up the Montreal River beyond Matachewan, to Smooth Water Lake and other territory west of the Temagami Reserve. This is an excellent sporting country, and is becoming more and more popular with tourists each season. Whether they go because of the excellent fishing and small game shooting, or to get beyond the territory patrolled by the rangers in order to indulge in the shooting of big game out of season, is a question. At any rate I am advised that there were a considerable number of tourists in this section this year beyond the reach of the staff of rangers in the Temagami Reserve. During the past season this territory was visited by several parties of mining prospectors, further increasing the danger from fire.

As this country lying immediately west and northwest of the present Reserve is of the same character as the land included in the Reserve, and contains large quantities of valuable timber, I would suggest that the Temagami Reserve be extended as follows:

Commencing at the southwest angle of the Temagami Forest Reserve at the northwest angle of the Township of Mackelcan; thence westerly along the north boundary of the Townships of Alymer and Parkin to the northwest angle of the latter; thence north along the east boundary of the Township of Creelman to the northeast angle thereof; thence westerly along the north boundary of said Township of Creelman and the north boundary of the Township of Roberts, and along O. L. S. Proudfoot's Base Line to the 12th mile post thereon; thence northerly to Long Lake on the head waters of the Wahnapitae River; thence northerly along the east shore of Long Lake, and down the Wahnapitae River to Oshawong Lake; thence northerly by the canoe route through Shoo Fly Lake, Meteor Lake, to Opickinimika Lake near the head waters of the Mattagami River; thence down said lake and river and its lake expansions to O. L. S. Niven's Base Line in latitude north 48 degrees, 27 minutes, 54 seconds; thence easterly along the said Base Line to the south east angle of the Township of Tisdale; thence due south along the west boundary of the Township of Dance to the southwest angle thereof; thence due east along the southerly boundary of said township to the northwest angle of the Township of Langmuir; thence due south along the west boundary of the said township to the southwest angle thereof; thence due east along the south boundary of the Townships of Langmuir, Blackstock and Timmins to the chain of lakes running north from the Great Northern Bend on the Montreal River; thence southerly along the said chain of lakes to the Montreal River, and along the east bank of the Montreal River to the north boundary of the Temagami Forest Reserve; thence west astronomically along the said north boundary to the northwest angle thereof; thence south astronomically along the west boundary of said Reserve to the place of beginning; containing an area of about 3,700 square miles.

This proposed addition to the Reserve included the parts of the Townships of Auld, Barber and James lying south of the Montreal River. These townships have only recently been surveyed, no land in them has been sold,

and I am of opinion that the lands in these townships south of the river, should not be opened for settlement, but should be included in the Reserve.

This would make an extensive addition to the Temagami Reserve, in area considerably larger than the original Reserve, and could be administered from the present headquarters of the Temagami Reserve. It would require some additional shelter houses, probably, and a further addition to the staff of rangers, but the one chief ranger could look after the whole Reserve.

Immediately west of the western boundary of this proposed addition to the Temagami Reserve, there are some lands under license on Onaping Lake and around Biscotasing, and in addition there is a very large extent of country that is not now visited by tourists, and is quite uninhabited, except by Indians, which it would possibly not be necessary to protect at the present time, and need not now be included in this Reserve.

Accompanying this find map showing the outlines of the proposed addition to the Reserve.

Respectfully yours,

THOMAS SOUTHWORTH,
Director of Forestry.

This was transmitted to the Commissioner with a further memorandum from the Assistant Commissioner as follows:

(Copy.)

MEMORANDUM FOR THE HONORABLE THE COMMISSIONER OF CROWN LANDS.

The undersigned has the honor to state that he has read the annexed memorandum of Mr. Southworth, Director of Forestry, in which he recommends that certain territory be added to the Temagami Forest Reserve. The territory which it is proposed to add lies to the north and west of the present Reserve and covers an area of 3,700 square miles.

The undersigned has always been of opinion that it is most desirable in the public interest that areas which are unfitted for settlement should be set apart as Forest Reserves, with a view to the preservation of the timber that is growing upon them and that fire might be kept out and the timber preserved and conserved.

The territory which it is proposed to add contains a large quantity of good pine timber. The undersigned, therefore, strongly recommends that the territory, as outlined in red on the annexed map, to which is attached Mr. Southworth's recommendation, shall be added to the present Forest Reserve.

Parts of the townships of Barber, James and Auld lie southwest of the Montreal River, but in the opinion of the undersigned it is not desirable that settlement should be allowed to cross the Montreal river. It is important to have a well defined boundary of all Forest Reserves, and there can be no better boundary of a Timber Reserve than a stream or lake. If people were allowed to settle in the parts of the townships of James, Barber and Auld lying south and west of the river, they would endanger the safety of the Reserve, and there would be a disposition to wander a-field and endeavor to squat outside the townships.

With respect to the large quantity of pine timber which is on this proposed addition, some of it is young and growing while some of it has

attained its full growth, and the question will soon have to be considered of what disposition shall be made of it and under what regulations or system.

The undersigned assumes that the system of guardianship which is in existence for the present Reserve will be extended to the added territory; that the present staff of Rangers will be increased and that in every way the close supervision which has been had over the present Forest Reserve will be extended to the additional territory.

The area included in the present Reserve is 2,200 square miles and it is proposed to add to it 3,700 square miles which will make a Reserve covering a total area of 5,900 square miles.

The undersigned points out that the pulpwood within the limits of the proposed area to be added to the Forest Reserve is by agreements with the Sturgeon Falls Pulp Company, the Spanish River Pulp Company and the Montreal Pulp Company, subject to being cut for the supplies of their pulp and paper mills. The Sturgeon Falls Pulp Company have the right to cut the pulpwood for five miles on either side of the Sturgeon river which has its source in the south-eastern part of the proposed Reserve. Their area covers an area of about 350 square miles. The Spanish River Pulp Company have rights extending for five miles on either side of the Vermillion river, a tributary of the Spanish, which has its source in the south-western portion of the proposed Reserve. Their territory covers an area of about 200 square miles. The Montreal River Pulp Company's rights extend for five miles on either side of the Montreal river which has three large branches extending through this territory having a length of not less than 175 to 200 miles. This concession covers an area of about 1,300 square miles. Therefore of the 3,700 square miles proposed to be added an estimated area of 1,850 square miles is covered by pulp concessions. In 1899 the James' Bay Railway Company, who have a charter to construct a railway from a point near Sudbury to Abitibi Lake, received a land grant of 5,000 acres per mile. If this railway is constructed it will pass through this proposed Reserve and the Company will be entitled to a land grant of 600 square miles.

No mining locations have as yet been leased or patented within the limits of the proposed Reserve, but some 37 locations in all have been surveyed, and on these less than $2,000 has been deposited as part payment. Nearly all these applications have lapsed except one in the vicinity of Mount Sinclair where recently a small deposit of asbestos is alleged to have been discovered. Little or no prospecting has ever been done in this territory.

No pine timber has ever been cut under license in this territory.

Respectfully submitted,

AUBREY WHITE
Assistant Commissioner.

December 8, 1903.

Accordingly on December 16th, 1903, the following Order in Council was passed:

Upon consideration of the memorandum of the Assistant Commissioner of Crown Lands, and the Director of Forestry, dated respectively the 8th and 2nd December instant, and upon the recommendation of the Honourable the Commissioner, the Committee of Council advise that the additional territory contained in the description by the Director of Forestry, and which is outlined in red on the accompanying map, be added to the present

Temagami Forest Reserve, and that those parts of the Townships of James and Barber lying southwest of the Montreal River be withdrawn from sale or settlement and form part of the Temagami Forest Reserve.

Certified,

J. Lonsdale Capreol,

Assistant Clerk, Executive Council.

This makes what might be called the Temagami Reserve comprise a total territory of 5,900 square miles.

In administering it, it was found desirable to make two separate staffs of rangers with headquarters at Bear Island and also at Fort Mattagami and to designate the Reserve as the Eastern Temagami and the Western Temagami.

Mississaga Reserve.

On December 7th, 1903, the following memorandum was addressed to the Assistant Commissioner:

Toronto, Dec. 7th, 1903.

Memorandum for the Assistant Commissioner.

Re Forest Reserves.

Sir,—During the past two seasons the Canadian Pacific Railway Company have been advertising to some extent what they call the "Mississaga River Route" as a popular district for canoe travellers. When it is remembered that a great deal of the publicity attaching to Lake Temagami, with the consequent invasion of tourists has been due to the advertising given it by the Canadian Pacific, it will be seen that there is a likelihood of the Mississaga country being likewise visited by a large number of tourists in the near future, thus adding to the danger of fire in that country, unless some protection is given it.

Hitherto it has been remote from settlement, little visited by tourists or prospectors, its sole visitors for the most part being a few nomadic Indians. The route advertised by the C. P. R., I believe, starts from Winneboga Station on the main line of the C. P. R., and lies south through Wakamagaming Lake, Kebsquasheshing Lake and River to Wenebegon River to the Mississaga River, and down this until it intersects the Sault Branch of the C. P. R. near Blind River. The route passes through a very large block of pine timber reported upon by Mr. Whitson of the Surveys Branch two years ago, and in some parts of this there have already been extensive fires doing considerable damage to timber. There is a very large district lying within the district of Algoma and nearly surrounded by the main line of the C. P. R., the Sault Ste. Marie Branch of the C. P. R. and the Algoma Central, much of which is practically unexplored except to a limited extent, but from such information as is available, there is no doubt the land is quite unfitted for agriculture, is well watered, contains very extensive quantities of pine and other timber, and is excellently calculated for permanent forest reserve.

Moreover, placing the territory under the operation of the Forest Reserves Act implies protection of the territory from fire so far as possible, and now that this country is being opened up to tourists, it is very desirable that it should be patrolled by rangers in order to prevent and check fires

as far as possible, and in the event of fire taking place and damaging timber to any extent, that it might be promptly reported to the Department, so that the dead timber may be disposed of before being ruined. In some parts of this country fires have taken place that were not known to the Department owing to its remoteness, until years had elapsed, when the standing dead timber was no longer of value.

The territory referred to starts from the vicinity of Berths 114 and 115 on the east, extending to O. L. S. Speight's meridian line on the west, and bounded on the north by the main line of the C. P. R.

As there is more or less timber cutting from time to time to obtain railway ties along the line of railway, I would suggest a line about ten miles from the railway line as the northern boundary of the Reserve. On the west the meridian line referred to runs through part of the land grant to the Algoma Central, so I would suggest that the western boundary be not nearer than ten miles of this line. I would therefore suggest that a territory consisting of four thousand six hundred square miles more or less in the District of Algoma, be withdrawn from settlement and created a Forest Reserve under the Forest Reserves Act, 61 Victoria, chapter 10, and amendments thereto, to be called the Mississaga Forest Reserve; the said territory to be bounded as follows:

Commencing at the northeast angle of township number 120 on north shore of Lake Huron; thence due west astronomically seventy-two miles more or less along the north boundary of townships numbers 120, 125, 132, 139, 145, 151, 157, 163, 169, 176, 182 and 188 to the southeast angle of township number 195, thence due north astronomically along the east boundary of said township six miles to the northeast angle thereof; thence due west along the north boundaries of townships numbers 195 and 201 twelve miles more or less to the east boundary of the township of Curtis; thence due north astronomically along the east boundary of said township and its production due north astronomically thirty-six miles; thence due west astronomically twelve miles more or less to O. L. S. Speight's Meridian Line run in 1898; thence due north astronomically along said Meridian Line forty-eight miles more or less to the seventy-eighth mile post thereon; thence southwesterly and parallel to the right-of-way of the Canadian Pacific Railway and always at a distance of ten miles therefrom seventy-six miles more or less to the thirty-ninth mile post on O. L. S. Niven's Meridian Line run in 1901; thence due south astronomically along said Meridian Line twenty-seven miles to the twelfth mile post thereon; thence due east astronomically thirty miles more or less to O. L. S. Salter's Third Meridian Line run in 1857; thence due south astronomically along said Meridian Line twenty-four miles more or less to the place of beginning.

Respectfully yours,

THOMAS SOUTHWORTH,

Director of Forestry.

The above memorandum was transmitted to the Commissioner with the following remarks from the Assistant Commissioner under date of January 12th, 1904:

MEMORANDUM FOR THE COMMISSIONER.

The undersigned has read the annexed memorandum of the Director of Forestry, in which he recommends the creation of a Forest Reserve in the territory tributary to the Mississaga River in the District of Algoma.

The area recommended to be set apart covers about 4,600 miles and is marked by a red border on the map which accompanies the Director's report. The Director points out:

1. That a tourist route through this region is being advertised by the Canadian Pacific Railway Company, and there is every probability that there will be in the near future considerable canoe travel and a great many camping parties passing through it as a result of which the timber growing there will be in danger of destruction by fire.

2. That this canoe route passes through a dense body of pine of large extent, which was reported on by Mr. Whitson of the Surveys Branch of this Department, who found that forest fires had already occurred there and damaged some of the timber.

3. That the region, while not well explored, is known to be rough and very broken, and to be, generally speaking, unsuited for agricultural purposes.

4. That in event of a Reserve being established there steps should be taken to protect the timber from fire and trespass by putting in an adequate and efficient staff of rangers.

The Director also gives a description of the boundaries as he thinks they should be defined.

With respect to the opinions and recommendations of the Director of Forestry the undersigned has to say, generally, that he deems it of the utmost importance that areas of Crown Lands which are unsuited for settlement and which contain large quantities of pine timber should be absolutely withdrawn from settlement and sale, and if any mining patents or leases are granted therein, such should be granted under the most stringent regulations and conditions as to working, etc., so that the forest wealth may be protected from destruction by fire. It needs no argument to prove that our pine timber is becoming extremely valuable, and that it would be an act of wisdom to protect and conserve it. Pine timber is exposed to such imminent and great danger where fire is being used in it or in its vicinity that the undersigned is firmly of opinion that all exploration and mining should be excluded from pine areas, until, at any rate, the timber has been cut away. This may seem a drastic measure, having regard to what has been a practice in the past, but when it is borne in mind that millions of dollars worth of pine may be turned into smoke by the want of precaution on the part of miners and explorers, a class who as a rule have no interest in its protection, and who are notoriously careless in their use of fire, it is the only way the timber can be guarded from menace if not destruction. The idea that because a man discovers mineral in a pine area he should, without respect to greater interests, be given a title will not stand the test of examination, and is contrary to the spirit of our regulations and practice. The mere fact that a man discovers pine timber has never been held to give him any right to obtain title to it; agricultural settlers are not allowed to take possession of or obtain title to lands on which there is any considerable quantity of pine timber; why then should mining explorers or miners be given any right to destroy or endanger public property any more than settlers or others? The minerals are the property of the Crown, and should remain so until their disposition can be made with safety to the public interest. Minerals are under ground, and are in no danger of destruction or deterioration by being kept in the ground for a period, be it long or short. It is quite useless to keep out settlers and tourists if hordes of explorers and miners are allowed to traverse the territory, using fire in the open air for cooking, clearing off the ground by burning the

surface debris, erecting villages where large development takes place, and in other ways jeopardizing the safety of the pine timber. It is the deliberate judgment of the undersigned that everybody should be excluded from large areas covered with pine, for this is the only way in which absolute safety can be attained. Just consider the locality now under view. Two years ago Mr. Whitson of the Surveys Branch was instructed to make a flying trip through this country and report on the pine known to exist there. Mr. Whitson reported that he found immense quantities of pine to be growing there, estimating the quantity roughly at about two billions of feet, all of it on territory tributary to the Mississaga River. In order to get a closer grasp of the timber the undersigned recommended that base lines should be run through it and estimates of the quantities made. Certain territory was blocked out by base lines and estimators put in, who, although they did not examine anything approaching the half of the territory, found and enabled us to locate on our maps over a billion feet of white pine. From what Mr. Whitson, our explorers and others who have traversed the locality state the undersigned will be greatly surprised if we do not find, when the territory is all estimated, a good deal more than two billions of feet, board measure, of pine. The timber is reported to be large and to contain a considerable percentage of trees suitable for waney board and square timber. Now, if there are two billions of feet there, we have in plain view an asset of the value of twenty millions of dollars. Does it not appear, under such a state of things, to be an act of wisdom to absolutely shut the door against any and all parties whose presence in the area would endanger the safety of such an enormous public property?

The undersigned, having regard to the information in his possession and the views he holds, urges the immediate creation of a Forest Reserve in this region, so that the timber may be properly protected. He further recommends that a chief ranger should be appointed with a sufficient staff under him to police the territory, and that a surveyor be sent to locate the timber and lay it down on a map, and that a staff of qualified estimators be placed under such surveyor so that the quantity of pine timber growing in the proposed Reserve may be arrived at with some degree of accuracy. The undersigned also recomemnds the absolute exclusion of all parties from the area set apart, and that it be absolutely and entirely withdrawn from sale, lease, or exploration.

With respect to the area of the Reserve, the undersigned has to state that a large part of the northern end of the proposed Reserve has been burnt over, and that the only purpose to be served by including it in the Reserve would be to experiment on its re-forestation. As it is desirable to allow as large a field for mining exploration as is compatible with the public interest, the undersigned begs leave to recommend that only the area which is pine-bearing should be included in the Reserve, which area will cover about 3,000 miles. If this suggestion is adopted it means that 1,600 miles will be left open for exploration, which there is no immediate reason to close up. If this idea is approved, the undersigned would recommend that the northern boundary of the proposed Reserve be the blue line which he has drawn on the map, and that Mr. Southworth's description be varied in this particular.

As to any interests other than those of the Crown which exist in the territory it may be said that there is no settlement of any account, and no squatters have gone in there. One or two discoveries of iron ore have been made, for which no title has been granted. The Manitoulin and North Shore Railway is projected through this territory, and if the Company

complies with the provisions of the law, it will be entitled to a land grant in this area. The Act under which this land grant will be made provides that the Company shall be entitled to purchase the pine timber at a price fixed by the Government putting up sufficient areas and applying the average price obtained to the pine timber on the territory which the Company may take. It will thus be seen that if the railway company earns its land grant it will have certain rights to purchase quantities of the pine timber in this region.

The Rock Lake and Algoma Railway, which is partly constructed, is also proposing to run through this pine area, and its line will traverse a part of the area on which there is estimated to be as much as five millions of feet, board measure, of pine to the mile.

Respectfully submitted,

AUBREY WHITE,
Assistant Commissioner.

TORONTO, January 12th, 1904.

This was forwarded to Council by the Honorable the Commissioner as follows:

TORONTO, January 12th, 1904.

The undersigned has the honour to report to His Honour the Lieutenant-Governor in Council that he has read the memorandum of the Director of Forestry and the Assistant Commissioner in connection therewith, and approves and agrees with the recommendations of the Assistant Commissioner.

The undersigned has therefore the honour to recommend that an Order-in-Council be passed, under the authority of the Forest Reserves Act, creating the territory outlined in red on the map attached hereto, into a forest reserve, except as to the northern part thereof where the line is marked in blue by the Assistant Commissioner on the map, which in the opinion of the undersigned should be the northern boundary.

The undersigned is of opinion that in view of the large quantiy of pine timber in this territory that the lands therein should be absolutely withdrawn from location, settlement or sale, and kept in a state of nature, as far as that is possible.

Further that in view of the enormous asset which the pine timber in this section is, that a staff should be created to carefully guard it from destruction from fire and to estimate and locate the pine timber on it.

(Sgd.) E. J. DAVIS,
Commissioner.

To His Honour
The Lieutenant-Governor in Council.

And on the 24th day of February, 1904, the following Order-in-Council was duly passed:

The Committee of Council have had under consideration the annexed report of the Honourable the Commissioner of Crown Lands, with reference to the creation of a Forest Reserve in the territory tributary to the Mississaga River in the District of Algoma, and advise that the recommendations contained therein be concurred in and acted on.

Certified,

J. LONSDALE CAPREOL,
Assistant Clerk, Executive Council.

The territory referred to in the Order-in-Council as shown in the accompanying map is further described as follows:

Situate, lying and being north of Lake Huron in the District of Algoma, more particularly described as follows: Commencing at the northeast angle of township number 120 on north shore of Lake Huron; thence due west astronomically seventy-two miles more or less along the north boundary of townships numbers 120, 125, 132, 139, 145, 151, 157, 163, 169, 176, 182 and 188, to the southeast angle of township number 195; thence due north astronomically along said Meridian Line eighteen miles more or less to the northeast angle thereof; thence due west along the north boundaries of townships numbers 195 and 201 twelve miles more or less to the east boundary of the Township of Curtis; thence due north astronomically along the east boundary of said township and its production due north astronomically thirty-six miles; thence due east astronomically fifty-four miles more or less to O. L. S. Alexander Niven's Meridian Line run in 1901; thence due south astronomically along said Meridian Line eighteen miles more or less to the twelfth mile post thereon; thence due east astronomically thirty miles more or less to P. L. S. Alexander Salter's Meridian Line run in 1857; thence due south astronomically along said Meridian Line twenty-four miles more of less to the place of beginning, containing by admeasurement two thousand nine hundred and sixteen square miles more or less.

No rangers were sent into the Mississaga Reserve during the season of 1904. The territory had previously been extremely isolated and visited by very few people other than Indians living within it. The plans of the C. P. R. for an extensive tourist traffic were not matured, but it is expected that there will be quite an extensive tourist traffic through the Reserve in 1905, making advisable the employment of a staff of rangers to properly protect it.

REPORT OF THE PROVINCIAL FORESTER.

PARLIAMENT BUILDINGS, Mar. 15th, 1905.

The HONORABLE J. J. FOY,

Commissioner of Crown Lands.

Sir,—I have the honor to present my report on my work as Provincial Forester since my appointment in August last.

I took the earliest opportunity to visit the Northern Woodlands to study the conditions obtaining on the timber limits and in the forest reserves, that I might have a first hand knowledge of the practical working of the fire ranging system and the personnel of the staff, a knowledge of the character and silvicultural condition of the northern forests, and of the effect of present regulations regarding the sale and disposal of the timber on the future productivity of the forest.

At the request of the Superintendent of Parks I made a detailed study of the conditions obtaining at Rondeau Park with a view of reporting as to the desirability and practicability of removing the mature and over-mature timber standing in the park. This report will include a complete forest map of the park showing the distribution of the species, a statement showing the total present stand of timber in the different parts according to species in feet board measure and cords and an estimate of the amount that should be removed from the different parts for the benefit of the stand, together

with a study of means of transportation, of markets, and of such other local conditions as are of interest in the making of an improvement cutting in the park. The practicability of using a portion of the park as a demonstration area for illustrating the methods of practical woodlot management for the benefit of the thousands of farmers who annually visit the park, was also considered and will be reported upon. This report is now nearly complete and will be placed in your hands at an early day.

During the Fall term a course of lectures having special reference to farm forestry was given at the Ontario Agricultural College at Guelph. The interest taken by the students, both in the class-room work and in the frequent excursions to woodlots and plantations in the neighborhood, was all that could be desired. Unfortunately the woodlots in the neighborhood of Guelph have in recent years become so badly deteriorated through unwise cutting and by grazing by live stock that it was impossible to show the students any examples of the results of wise management, consequently the practical demonstrations were necessarily largely limited to the showing of what should *not* be done and why.

At the request of the Superintendent of Farmers' Institutes, two courses of lectures were given to the farmers institute speakers with a view of preparing them for the discussion of the problems connected with the proper management of the farmer's woodlot, at the institute meetings throughout the Province. The first course was given to such as were in attendance at the Flower, Fruit, and Honey Show at Toronto. And the second to those in attendance at the Provincial Fat Stock Show at Guelph. These lectures were also supplemented by excursions to various woodlots for the purpose of practical demonstration.

In addition to the above I have whenever possible accepted invitations to give addresses on forestry subjects, contributed a number of articles to the press, and attended to the answering of such inquiries for information regarding the management of woodlands as have come to hand.

I have the honor to be,
Sir,
Your obedient servant,

JUDSON F. CLARK,
Provincial Forester.

WHAT IS FORESTRY?

The above question is often asked and various definitions are given, depending very largely upon the point of view of the person interrogated or the attention he may have given to the subject. Probably the most common mistake consists in regarding "forestry" and "tree-planting" as synonymous, implying that the forester is merely or chiefly a tree-planter. An incidental attempt to furnish a definition was made at the banquet of the Forestry Association held in Toronto in 1904 in the toast to "The Forester, the Farmer whose Crops are Trees." This was replied to by Prof. Filibert Roth, and his speech affords so concise and pleasing a history of the evolution of the forester and his work that it is given here as an answer to the question.

"The forester is a genus which hardly yet exists in our country. He must be sought in other lands, in an older world. He is not the product of a day, but is, like his brother, the farmer, the result of centuries of

development. To trace this development, we must go back to the time of Charlemagne, where the forester as we know him to-day had his beginning. For, strange as it may seem, the people of the Mediterranean, the Romans and Greeks, never produced the forester. And, like these, the Egyptians, the Assyrians and Persians, with a proud civilization dating back to the beginning of historic time, never developed the forester. In spite of sagacity and industry, in spite of the fact that agriculture and horticulture thrived at their hands, they never learned the value of the forest tree, and as a consequence the fertility of their lands was lost and their stupendous monuments are to-day covered by the dust of centuries.

"The forester of Charlemagne's time was a huntsman, whose duty it was to protect game and fish and incidentally to regulate grazing and the utilization of oak and beech mast and the gathering of wild honey. As yet, the timber was of little value. Clearing by fire and girdling was encouraged; the forester was an obstacle to settlement and the building of homes, and the chief income from the forest consisted in the proceeds of the chase, grazing and mast.

"As settlement progressed, the wood became more valuable, the forest required better protection, and the forester was charged more and more with the care and protection of the timber. Gradually it became evident that the cutting of timber must be regulated, that if the better kinds of timber are to remain and the best growth is to take place, that the inferior kinds and inferior trees must be cut out. In short, that the cutting must not only supply timber, but must improve the forest as well. From this time on, the attention of the forester was more and more in the direction of improving the forest, of growing more timber, and gradually the different methods now in use were developed.

"A good illustration of the forest of those times is seen in the history of the 'Sihlwald' (forest of Sihl), a forest property in the hands of the city of Zurich, Switzerland, for a round one thousand years. As early as the year 1200 the forester of this property was charged with the duty of regulating the cutting and of determining the quantity of timber which the tract would grow per year, and thus to find a proper yearly cut. This cut has practically continued from that day to this, and the forest has never failed to give its harvest all these years, and is in better shape to-day than ever before.

"Thus the forester changed from a huntsman and patrol into a timber farmer. To-day he has charge of a district of perhaps 10,000 acres of forest, which he works after a well-defined plan, knowing years ahead just where he is going to cut timber and how much, where planting is to be done, where the forest must be thinned and cleaned by cutting out the small and weak and inferior trees, where roads and other permanent improvements must be made or repaired. He visits his forests daily and sees to the proper execution of this plan, watches over the patrol and other help, directs the marking of trees for cutting, makes contracts for work, conducts the sale of timber, and attends to the book-keeping for all this work, and thus is general manager of a business of perhaps $40,000 to $75,000 gross income and about $15,000 to $30,000 yearly expenditures. In the care of his forest he assists nature at every step, and in many localities he no longer waits for nature to seed the ground and thus start a new forest, but plants as soon as the harvest of timber is off the land.

"Personally, the forester, this timber farmer of the Old World, compares favorably with the men of any other profession. He is hearty and strong, kind and generous, self-reliant, content, and proverbially long-lived.

The child of nature, his pleasure is with the forest and its inhabitants, the trees and wild flowers, the birds and beasts down to the host of the "little people," the insects, who constantly enter into his sphere of action.

"He is a useful man, this forester, and let us hope that before long every acre of our woodlands receive his care and protection and thus be made more productive, more useful, more beautiful.

"In conclusion, let me say that my experience of to-day has clearly convinced me that Canada, and the Province of Ontario in particular, has gone so far in the good work that there is no longer any danger of its people repeating the mistake of other peoples and among them the greatest. It is interesting psychologically and sociologically that people whose natural life is not counted by years but by centuries are liable to errors like individuals, and that people apparently endowed with wisdom and energy, frugality and persistence, all the qualities which should ensure thrift and the proper appreciation of their opportunities, may yet fail to recognize the importance, nay, necessity even, of the forest, this counterpart of the wheatfield and the rice field, without which all human progress must come to an end. There are China and Japan, with a civilization of great antiquity, and yet without care for the forest. 'He could not see the forest on account of the trees' is an old German proverb, and is suggested most forcibly by the history of these people.

"But this statement would be incomplete if mention were not made of the prompt and effective way in which Japan has begun the repair of its losses in this direction. She sent her sons to Germany and had them trained, she imported German foresters and organized schools and a forest service, and to-day, after but a few years of beginning, she ranks well among the nations who have learned the value of the great sister industry of agriculture. The people of India never produced the forester. They dreamed and destroyed until the kind hands of your Imperial Government came to their rescue. England established an efficient and rapidly growing forestry service in India. She did for India what, strange as it may seem, she neglected to do for herself.

"But allow me to repeat. I have learned to-day that Canada has placed herself on record for a good beginning. May the forest be ever in the minds and hearts of her people, and it will be sure to prosper."

ONTARIO'S FOREST RESERVES.

Thos. Southworth.

Reprinted from Canada Lumberman.

The Province of Ontario is one of the greatest business corporations in the world. Whether viewed in the light of an inheritor having a vast estate to dispose of, or as all this and a trading company as well, Ontario is an extensive corporation doing business in a very large way.

Its shareholders are the individual people of the Province, and handsome dividends are yearly paid to them in the form of the support of public services, charity and education, that would otherwise be paid for out of their private pockets in the form of taxes.

I presume it may be stated that the working capital of the Province is, through the right to levy taxes, only limited by the ability of the citizens

to pay, as is the case with other similar corporations having more and richer shareholders, but it is proposed to refer only to the estate or inheritance common to us all in our land and water areas, and what they contain or produce. This includes land, forests, minerals, game, fish and water powers, all of which supply an income that could be increased if desired.

Unlike many corporations or trading companies, however, the Province realizes that there are ways in which the "greatest good to the greatest number" of the shareholders in this enterprise may be reached other than in the direct payment of cash dividends, and it has been deemed for the general good that the forest should be worked as the chief producer of cash dividends.

Therefore for the purpose of this article we will eliminate any consideration of any of the Provincial assets other than that of the Crown Forest.

The forest wealth of the Province has until recently been classed under two divisions; that still remaining the property of the Crown partly sold under license to lumbermen, and partly without any claim at all; and that part held by settlers to whom lands had been allotted or sold by the Crown.

The Lumbermen and Farmer.

In the development of the timber trade in Ontario the idea gradually evolved was to dispose of the merchantable timber, principally pine, for cash revenue, before handing over the land on which it grew to individuals to be converted into farms. Having this idea in view, the business was not regarded as one of our permanent industries. The lumberman was considered as but the forerunner of the farmer, and no attempt was made for many years to do any more than harvest the standing crop of pine and other coniferous trees to the best advantage. No idea of taking off another crop than the original one was thought of. For many years this process worked well. As lumbermen established camps, and cut over their limits, the shantyman often became a farmer, squatting upon a tract of good land as he found it in the limit, and he was soon followed by his friends. This process has settled many townships in the Province, and where the land included in the limit was good for farming, no better plan could probably be devised. The hardwoods and enough pine for building purposes were left on the land for the settler, and from the money received from the largest pine, roads were built for the settler and the whole people of the Province shared in the dividends.

As the lumberman pushed farther north in search of pine, however, the character of the country changed. Large areas were placed under license to lumbermen in which the land was unsuited for farming. The settler still followed the lumberman and tried to make farms where nature had provided that forests only could be profitably grown, finding out only after their capital and the best years of their lives had been spent, that they had made a mistake.

While these men have been wasting their efforts dragging out a bare existence, the Province has lost large sums in cash that might have been derived from these same areas had they been left to produce a second crop of pine timber.

In addition to the encroachments of settlers upon the forest area, fire proved a prominent factor in emphasizing the ephemeral character of the lumber industry; large tracts were burned over, until it began to be recognized as the natural thing that fire followed the lumberman. The success of the fire ranging system adopted in 1885 showed that this danger could be largely removed.

Reforestation.

This partial immunity from forest fires led our legislators to consider the possibility of giving the forest industries a more permanent character, and in 1895 when I was appointed to the forestry work under the Government, I was directed by the then Commissioner of Crown Lands, the Hon. A. S. Hardy, to submit a report on the best method of reforestating these burned areas with pine; to ascertain the comparative cost of planting and of sowing tree seeds, with plan of operation.

Estimates of the cost of seedling trees for replanting were secured, and in the process of investigating the burned over areas to ascertain the probable cost of getting them in condition to replant or sow, I concluded and so reported that neither was necessary except in a few places. The cost of replanting or even of seeding successfully would be so great per acre that the directors of the corporation, the Legislature, would never vote the money necessary to accomplish the work over so large an area and they would be right, for it is very likely that the initial expense compounded even at three per cent. for the number of years necessary for the plantation to reach a merchantable age, plus the annual expenditure for protection and care, would exceed the amount realized from the crop even at the enhanced prices likely to be obtained at that time.

Tree Planting Unnecessary.

It may be said that even so, for the sake of the incidental or direct benefits in the way of climatic effect and water supply the investment would be worth while, but it was found that planting was not at all necessary, that practically all the investment required was time and freedom from settlement or fire. On burned over territory a new forest was growing and in nearly every case, where pine was present in the previous crop, pine was growing again, not at first perhaps; the first crop after the fire was usually birch, poplar or other trees that seed yearly and whose seeds carry immense distances, but nearly always pine followed where the fire had left any parent pine trees within a wide radius, and would be found growing up under the shade and protection of the broad leaved trees, under the exact conditions required to make good timber.

This condition of affairs simplified the problem of reforestation in Ontario Crown Lands, and in my report to the Government in 1896 I recommended that areas found unsuited for general farming should be permanently withdrawn from settlement and placed in Forest Reserves.

In the following year the Government appointed a Royal Commission to report on the same subject. This Commission included among its members two of the ablest lumbermen in Canada, the late E. W. Rathbun and the late John Bertram, and this Commission endorsed this recommendation as follows:

"A large portion of the Central Division of the Province is more profitable from the standpoint of public revenue as forest land than under cultivation for farm crops, and as in addition to this it contains the headwaters of all our principal streams, all that part of this Division found upon examination to be not well adapted for farming should be added to the Permanent Crown Forest Reserves."

In 1898 the Legislature passed an Act entitled "An Act to Establish Forest Reserves," the first specific action by legislation towards the creation of a permanent Crown Forest. This Act was submitted to the Legis-

lature by Hon. J. M. Gibson, then Commissioner of Crown Lands, and was passed without a dissenting voice.

Present Reserves.

The passage of the Forest Reserves Act, and the creation of Reserves thereunder, is the formal announcement of the Government policy of gradually separating the non-agricultural from the agricultural lands, and is the first organized and definite attempt to create a permanent Forest Estate to be owned in perpetuity by the Crown and operated for timber crops. Under the Act there have so far been created four Forest Reserves, amounting in all to 5,821,000 acres. These include the Eastern Forest Reserve of 80,000 acres; the Sibley Forest Reserve of 45,000 acres; the Temagami Forest Reserve of 3,776,000 acres; and the Mississaga Reserve of 1,920,000 acres.

There should be added to this Algonquin Park created in 1893 mainly as a Game Preserve, with an acreage of 1,101,000 acres, making a total of Permanent Forest Reserves of 6,922,000 acres.

These Reserves are of different character. The two former, the Eastern Reserve in Frontenac County and the Sibley Reserve, which takes in the township of Sibley including Thunder Cape on the north shore of Lake Superior, have been lumbered, and in most cases burned over, and now contain a very thrifty growth of white pine and other trees. It will be some time before they are ready again for lumbering operations, but the growth is very rapid and the time when they may be again operated for pine and other timbers much less than would be imagined in the absence of definite information and measurements of the rate of growth of this young timber.

The Temagami Reserve lies in the District of Nipissing and contains 5,900 square miles or 3,776,000 acres. This Reserve besides including some of the most picturesque and beautiful lakes in the world, of which Temagami and Lady Evelyn might be mentioned, contains a very large quantity of pine timber now ready to be cut. About forty years ago the band of Indians living in the territory, alarmed at the incursions of the lumbermen who were operating on Lake Temiskaming and at the suggestion, it is said, of a Hudson's Bay officer equally interested with them in the preservation of this country as a hunting ground, started a fire that swept over a good many hundreds of square miles, including the northern part of Temagami, Lady Evelyn, Anima, Nipissing and other lakes. Over this burned territory there is now a thrifty growth of poplar, birch, as well as pine and other coniferous trees, the pine making growth at the rate of one inch in diameter in about two and half to three years. Of the timber now sufficiently large to cut or what would be estimated by a lumberman in buying the territory for lumbering, I believe there is about five thousand millions, or five billions of feet B. M., exclusive of spruce, tamarac and hardwoods.

The Mississaga Reserve is included in the territory drained by the Winnebago and Mississaga rivers in the District of Algoma, and lies between the main line of the C. P. R. and the Sault Ste. Marie Branch of the same line. It comprises a territory of 3,000 square miles, or 1,920,000 acres, and is estimated to contain over three thousand millions of feet of merchantable white pine besides other timbers.

In giving these figures of areas of Forest Reserves, it must be borne in mind that the Government has only recently entered upon this policy,

and it requires time to properly investigate the different areas before having them come under the provisions of the Forest Reserves Act. By the Act a Reserve can be created by Order-in-Council, but if on further investigation it was found desirable to open this land for agricultural purposes, a subsequent Act of the Legislature would be necessary in order to take it out of the Reserves. In a general way, however, we are aware that there is a very large territory in the Province of Ontario peculiarly suitable for permanent forests.

Permanent Forest Area.

So far as the question of future timber supplies and the consequent effect on climate and industrial conditions are concerned the Province of Ontario is in a peculiarly fortunate condition. The southern part of the Province which extends almost into the middle of the United States is a very rich agricultural section, now entirely settled up, and the home of a prosperous agricultural community. North of this agricultural belt, stretching across the Province from east to west, lies the watershed separating the streams flowing south into the Great Lakes and the St. Lawrence from those flowing north into our great Canadian sea. This height of land or watershed is not a mountainous ridge, but a more or less level tableland, rugged and rough in character, for the most part quite unsuited for agriculture, but the natural home of the white and red pine, spruce and other coniferous trees. True, in this belt there are occasional valleys of good land. In the Temiskaming district for instance, there are nearly a million acres of rich alluvial clay soil. There is also a good agricultural section in the Rainy River valley and another one at Wabigoon on the main line of the C. P. R. But generally speaking, that is the character of this immense watershed stretching hundreds of miles across the Province from east to west.

North of this territory again, on the slope running to Hudson's Bay, lies another agricultural district, estimated to contain over sixteen millions of acres of first-class farming land, but covered at present with a very valuable growth of spruce and other timber.

In estimating the annual dividends possible or likely to be derived from this forest asset, a good many things have to be taken into account. While the Reserves so far created are pine bearing, not all of the territory suitable for reserves contain pine at present though they may be made to do so. Some of this territory is rocky and has been so severely burned over, notably on the north shore of Lake Superior, as to have no soil left, and we need to figure on long periods of time before those small areas will become productive. There must also be eliminated the water areas, and fire must be counted on as a contingency.

The present Forest Reserve area includes distinctly pine bearing lands, and for purposes of computation over the whole area, I will take this area 6,922,000 acres as a basis. In a country where we have no large artificial plantations that have reached maturity from the seed, it is difficult to form definite conclusions as to the annual growth of timber, but from measurements obtained by the Washington Bureau of Forestry over many parts of the northern or pine-bearing states, they have adopted nearly sixty cubic feet as the normal annual growth under ordinary forest conditions on an acre of forest land. This includes the whole of all sorts of trees, not pine alone. This in board measure would be 720 feet per acre per year. In our pine-bearing land, particularly in the Reserves referred to, white pine is

not the only tree, but it is the dominant tree, and a large proportion of this annual growth will be of that variety of timber.

Pinchot and Graves in their exhaustive study of the white pine in Pennsylvania, estimate that a pine tree 10 inches in diameter will yield 84 per cent. of merchantable timber, and in a tree 26 inches diameter only 7 per cent is waste. Under continuous operations, 10 per cent. would be a fair allowance for waste in all kinds of timber, but there should also be eliminated much solid timber not now merchantable. With allowance also for water areas and spots not well seeded, I do not think 300 feet B.M. per acre an unreasonable estimate for the annual growth of pine on an acre of land in the areas. That it is not unreasonable is shown from yields on lands that have been cut over. There are numerous instances where 50,000 feet of pine per acre have been cut, and this where only the merchantable trees were removed, leaving many others on the way to a merchantable size, while our estimate is for the total annual growth. An ordinary forest well seeded to pine would produce this 50,000 feet in about 100 years or at the rate of 500 feet per year.

One other deduction must be made, however, for fire, for while we have greatly lessened the damage from this source, it must be counted on, and we will reduce this estimate 50 per cent. or 150 feet B.M. per acre per year for the pine timber only. This estimate applied to our present reserves would give an annual production of 1,038,300,000 feet.

As to the value of this timber, much depends on its location and ease of access to market. On the basis of the recent timber sale, $7 per thousand feet would be a fair average as applied to the Reserves in question. This would return annually $7,268,100. This sum appears large, but it must be borne in mind that the territory now being operated each year, probably not so large as this, returns $1,000,000 to the Treasury, and at $1.25 instead of $7 per thousand feet.

It would perhaps be unfair to apply the prices realized at the recent sale to the whole of this area, but to reduce it to $5, a very modest estimate, the annual increment in pine would reach a value of $5,191,500, and besides the other timbers growing on the Reserves, spruce, cedar, birch, larch, maple, etc., have a commercial value that is rapidly increasing.

Fifteen thousand feet B.M. at $5 per M. would be worth 75 cents as the annual rental value of this land. It may at first appear high, but the Prussian Crown Forests under a most expensive semi-military system of management, including the cost of maintaining several Forestry Schools and Colleges, yield a net income over all expenses of about $1.45 per acre per year over the whole territory good and bad. I am well aware of the difference in conditions as to markets, etc., but surely if the Germans can obtain a *net* revenue of $1.45, we can, in time at least, under proper management, realize half that sum as our *gross revenue*. I might also add that the Crown Forests of Saxony yield about $4.50 per acre per year, net.

A recent concrete instance of the growth of pine under somewhat adverse circumstances is shown by the result of a small plantation of pine trees on the sand plains of Nebraska. This plantation covers .52 of an acre on the ranch of Bruner Bros., in Holt County, Nebraska. It is rectangular in form, measuring 70x192 feet, and is located in sand hills bordering a dry valley. The trees on this plantation were set out in the spring of 1891 as three year old seedlings averaging about eight inches in height. Furrows were turned two feet apart, and the trees were planted two feet apart in the furrows. Since planting the trees have received no cultivation whatever,

but they have been protected from fire and stock. The altitude of the location is 2,200 feet.

This sand is what is ordinarily called blow sand and covered some of the small seedlings. Last year the Bureau of Forestry at Washington had these trees counted and measured, when it was found that the total volume of wood in the plantation was 586.02 cubic feet, with a total annual growth of 50.6 cubic feet. This, converted into board measure, would be over 600 feet per year on a fraction over half an acre, or 1,200 feet per acre per year.

It is true these trees were planted at regular intervals, and would therefore have a better chance for growth than trees reproduced by nature with her wasteful methods, but it must also be remembered that the soil was very bad and of such a nature as had been considered hitherto quite incapable of growing trees at all.

Hence it will be seen that my estimate of 150 feet B.M. per acre per year in our peculiar pine bearing country is a very moderate estimate. Applying this estimate to say 40,000,000 acres of Permanent Reserves, which I hope to live to see, we have a yearly growth of 6,000,000,000 feet, which at $5 per M. would represent a value of $30,000,000.

This is not a rosy picture, but a very conservative estimate, and if the timber other than pine is considered, it will be found low.

Management of Forest Reserves.

And now having definitely adopted the policy of separating agricultural from non-agricultural lands, placing large areas of non-agricultural lands in Reserves to form a permanent Crown Forest to be operated in perpetuity for timber supplies and the payment of cash dividends, the problem is presented of how to work these Reserves to the best advantage.

In this various problems present themselves. The first, of course, is the great one of fire protection, but this I am happy to say we are within reasonable distance of having solved. Of course in the forest, as in the city, the prevention of fires entirely is an impossibility, and in the forest there is the added difficulty not often found in well regulated cities, that a fire once under headway cannot be checked by any human agency at present known. At the same time the system of patrol adopted some years ago is proving very effective, and our losses from fires for the past few years have been inconsiderable.

Among the most serious problems confronting the Government in the permanent timber policy, is the reproduction of the right kind of species from a commercial point of view. This Province is the habitat of probably the most valuable timber tree in the world, the Weymouth or white pine, the tree that has been so great a factor in the prosperity of the Province. There are peculiar features connected with its reproduction that have to be carefully considered in any permanent forestry operations.

In the first place, I have noticed that where a forest has been operated for pine for a number of years, and where no fire has taken place, there seems to be no seedling pines coming up. True, there are pine trees still growing to take the place of the mature trees removed, but they are trees that were suppressed and stunted in their growth at the time of the previous lumbering operation, and that took on new growth after the pressure in the forest was relieved, but I cannot find that in a forest of this sort there is any new crop coming on, that is to say, trees that have seeded since the cutting of the original crop.

Why this is so is not quite clear to me, but I imagine the reason will be found in the fact that the ground and the conditions of shade are not suitable for the proper germination and growth of the pine seeds.

On the other hand, where there has been a forest fire, after lumbering operations, we nearly always find a growth of young pine coming up, at any rate if any old or seed trees have been left in the vicinity of the fire.

Assuming this condition of affairs to be general, that young pine will not come up as a second crop except under suitable conditions, it will readily be seen that if in operating an old forest, nothing but the pine trees are taken out, the result must eventually be that the character of the forest will have changed from a pine forest to one of another description, and necessarily of a less valuable character. If it is pine mixed with spruce, if the pine is removed and the spruce only allowed to reproduce, it will naturally become a spruce forest, or a hardwood forest as the case may be.

Hence it is obvious that in operating an old or virgin forest with a view to reproduction of the most valuable sorts of trees, a scientific knowledge of the growth and method of reproduction of these trees will be necessary in order to have the cutting properly executed. This must be done also with a view to the financial part of the operation, because whether in private forestry or Government forestry, it must necessarily be largely a commercial proposition, and the cost of operating must be considered in its relation to the ultimate profit.

This is one of the problems confronting us. There are others of a more or less technical nature, and for their solution scientifically trained men will, in my opinion, be necessary. That we have many men engaged in the lumbering business who are highly skilled indeed in the operation of removing the present standing crop of timber as expeditiously and economically as possible, is true, but their training is not extended to the problem of removing this timber with any regard to a future crop.

While we need scientifically trained men for this purpose, men with a knowledge of botany, plant pathology and general sylviculture, as these men would have to be employed partly by the Government, partly by lumbermen, it would be necessary that in addition to these things they should also be expert lumbermen, and have a thorough knowledge of logging, driving to market, sawing, culling lumber, etc., so that in addition to the training they could receive in the schools, their education would be uttterly incomplete without the other training in the bush and in the saw mill, as well as in the lumber yard.

For the proper management of our Permanent Forests, well trained men will be needed and it will require the joint training of the college, the bush and the saw mill to produce them.

PRACTICAL FORESTRY.

In the report of the Director of Forestry for 1900-1901 the writer referred to the problem of the disposal of the debris left by loggers on the public forest lands in the following language:

Forest Waste.

"Another serious problem affecting our forestry operations lies in the disposal of the waste material left by the lumbermen. This waste, comprising the tops and branches of the felled trees, constitutes a constant and

serious danger, owing to its readily combustable character, which renders it the cause of many forest fires. Its presence also to some extent militates against the proper seeding of the cut-over area. Its removal would necessarily entail some expense, and without some experience it is difficult to determine whether the cost would be offset by the resultant advantage to the forest, by lessening the fire risk, and the more rapid seeding and reclothing of the territory from which the waste is removed. In this, as in many other cases, the experience of older countries affords no guide for us. The tops and branches left on the ground after logging have here no commercial value whatever, and to carry them away from the forest would be a very costly proceeding.

Fire as a Servant.

"It is reported that in some cases in Michigan this waste has been removed successfully by fire and at a cost of only ten dollars per square mile, and if this could be done here there is no doubt whatever that it would be profitable and in every way advantageous. Several lumbermen to whom the writer has referred the matter have expressed doubts of the practicability of the plan. So far as I know it has never been tried in Canada except in the case of one operator, in which the circumstances are somewhat unusual. The Rathbun Company of Deseronto in some of their eastern Ontario limits have burned the waste on their cut-over territory for several years, but as the limit is mixed forest of coniferous and hardwood trees and the company cut trees of all sorts, the waste is not so inflammable as would be the case where only coniferous trees are in question, and the fire can more easily be controlled.

"In the Michigan cases referred to the tops and branches were not piled up, but a gang of men with tin coal oil torches either in the early spring as soon as the snow had melted and before the ground had got dry, or else in fall after heavy rain or the first fall of snow, set fire to each lot of debris as it was left by the loggers. No attempt was made to burn the larger limbs, or the upper part of the trunk, but the needles and small twigs that constitute the fire danger were burned off, and no great difficulty was experienced in controlling the fire.

"If in thus burning the refuse the pine 'duff' or carpet of needles, existing in an old pine forest to the depth of several inches in some cases, were burned it would greatly enhance the value of the operation. In the investigations of the Forestry Commission in 1897 and 1898 it was noticed that the crop of young pine was much more prolific and vigorous when fire has followed lumbering operations, provide that it had not been repeated so as to destroy the young growth after the removal of the seed-bearing trees. This was no doubt largely due to the failure of the pine seeds to reach the mineral soil owing to the depth of the forest litter. There is little doubt that it would be found, that in the places where the lumbering waste was burned off, the crop of young pine trees following a seed year would be much larger than if the forest litter had been allowed to remain.

"It is hoped that a systematic and fair experiment in this line may be conducted at no distant date."

Since the above was written the experiment has been undertaken in a northern white and red pine forest under the direction of the United States Bureau of Forestry. The results of the first season's operations indicate the practicability of the scheme and at a cost not at all excessive.

The following facts in connection with this recent sale and cutting of pine timber in Minnesota under the direction of the U. S. Bureau of

Forestry have been collected through correspondence and otherwise by Dr. Clark, Provincial Forester, and I submit it as being an interesting contribution to our present knowledge of scientific lumbering, or what is the same thing, practical forestry.

Practical Forestry in Minnesota Pineries.

In accordance with an Act of Congress the Forester of the United States Department of Agriculture was charged with the selection—subject to the approval of the Secretary of the Interior—of 231,400 acres of land from the Chippewa Reservation in Northern Minnesota for the Minnesota National Forest Reserve. The Act stipulated that the area so selected should include 200,000 acres of pine land, and further provided that 95 per cent. of the standing timber on the selected lands be sold, subject to such rules and regulations as might be prescribed by the forester.

Conditions of Sale.

In October, 1903, the following rules and regulations were issued to govern the lumbering of timber standing on the lands then selected, some 89,000 acres:

RULES AND REGULATIONS

OF THE

Forester of the Department of Agriculture for the cutting and removal of ninety-five per cent. of the pine timber on the ceded lands of those parts of the Cass Lake and Chippewa Indian Reservations, Minnesota, selected for the Minnesota National Forest Reserve.

Department of Agriculture,
Bureau of Forestry,
Washington, D. C., October 21, 1903.

1. No tree shall be cut that is stamped with the letters "U S."

2. No white pine or Norway (red) pine, ten inches and under in diameter, three feet from the ground, shall be cut for any purpose, except where absolutely unavoidable in necessary logging operations.

3. All trees shall be cut with a saw whenever practicable.

4. In no case shall the height of the stump exceed the thickness or diameter of the tree two feet above the ground.

5. No tree shall be left lodged in process of felling.

6. So far as reasonable, all branches of the logging shall keep pace with each other. In no instance will the brush piling be allowed to fall behind the cutting and removing of logs.

7. All tops and litter from trees cut under these rules must be burned so as to be safe against fire, under the supervision of the Inspector of the Bureau of Forestry, and at such time as he shall select, but the burning of tops or other material larger than eight inches in diameter, or of tops or litter not made by logging under these rules, will not be required. The piles must be compact and large enough to burn clean without repiling, and must not be so near young growth or standing green trees as to endanger any of them, and must be placed where there is least danger of the fire spreading.

8. Unnecessary damage to young growth or trees left for seed must be carefully avoided.

9. As few log roads as practicable shall be cut, nor shall they be made wider than is actually necessary.

10. All merchantable pine timber in felled trees which is six inches or over at the small end shall be logged. Any such timber left in the woods shall be scaled under

the direction of the superintendent of logging and paid for by the purchaser of the timber at double the regular stumpage rate.

11. The use of timber in constructing corduroys and bridges, or for road work, shall be confined, whenever possible, to unsalable material and to dead and down timbers.

12. Merchantable pine timber used for booms, skids, dams, bridges, for building camps, or for any other purpose, shall be scaled, and paid for by the purchaser of the timber at the regular stumpage rate.

13. The location of log landings, loading works on the shores of lakes or streams, or along railroads, and of railroad side tracks, shall be subject to the approval of the Inspector of the Bureau of Forestry.

14. All trees cut for booms shall be carefully measured, and the booms shall be cut in such lengths as will allow all the timber to be cut into merchantable logs.

15. The maximum length for measurement of all white pine logs shall be sixteen feet, and of all Norway pine logs shall be eighteen feet. Upon logs twenty-four inches or less in diameter two inches additional length, and upon logs over twenty-four inches in diameter three inches additional length shall be allowed for trimming off battered and discolored timber. Longer logs shall be scaled as two or more logs.

16. The length of logs shall so be varied that all merchantable timber six inches and over at the top shall be utilized.

17. The decision of the Inspector of the Bureau of Forestry shall be final in the execution of the foregoing rules.

18. The violation of any of these rules, if persisted in, shall be deemed a sufficient cause for annulling the contract and cancelling the sale of the stumpage.

Approved, October 24, 1903. GIFFORD PINCHOT,
Forester.
THOS. RYAN,
Acting Secretary of the Interior.

The pine was sold on the stump at so much per thousand feet board measure (scaled by the Scribner Rule). Twenty-five per cent. of all timber embraced in the bids was required to be removed on or before July 1st, 1905, and not less than twenty-five per cent. on or before July 1st of each of the successive years thereafter. The entire amount of the timber embraced in each bid to be cut and removed on or before July 1st, 1908. Bonds to the extent of fifty per cent. of the estimated value of the standing timber were required to be filed for the faithful performance of all agreements between the purchaser and the Government.

The five per cent. reserved for seed tree purposes were marked (by blazing and stamping the blaze with the letters "US") by trained foresters in the employ of the Government.

Notwithstanding many predictions of failure, the sale was very satisfactory. The average price realized for the white pine was $7.61 per M. and for Norway pine $5.15 per M. One large block was sold at $9.50 per M. and individual sections sold as high as $11.00 per M. A blanket bid for the whole area (89,000 acres) was made at $11.00 per thousand straight, but as the bidder did not comply fully with the terms of the sale this bid was rejected.

Ignorance in regard to the cost and even the practicability of burning the brush undoubtedly prevented the prices from going appreciably higher.

Practicability of Brush Burning.

There has now been completed one season's lumbering under the terms of this sale, and it will be of interest to glance at the results.

Mr. Eugene S. Bruce, a practical lumberman of wide experience, was the representative on the ground of the Bureau of Forestry to see that the purchasers satisfactorily performed the conditions of their contract. Reporting on the practicability and cost of burning the loggers' debris he says in part as follows:—

. "The cost per acre varies much, according to the amount of brush and debris upon the acre to be destroyed. A better method of calculating the cost is by the thousand feet, board measure, log scale, for while upon one acre there might be but two or three thousand feet to be removed, on another acre, and perhaps an immediately adjoining one, there might possibly be fifty thousand feet. Such conditions would make the actual cost of burning brush per acre so vacillating and uncertain that, unless one was thoroughly acquainted *with the conditions upon which the average price was based*, figures per acre would be of no great use in a general discussion of the subject. A far better method of caluculation is by the thousand feet, board measure.

"The most expensive method of destroying brush and debris has been found to be to pile the brush in summer and wait until damp weather in the fall of winter before burning it. This method we have been compelled to adopt in some cases in order to protect the adjoining forest from running fires during the dry summer season. It necessitates extra handling and practically makes two jobs of one, which can as well be completed as the logging proceeds, when the forest is in such condition that it is safe to burn the brush. When it is necessary to pile the brush in summer, and await a favorable time to burn it, the particular portion of the work in which the most money can be saved, is to build the piles *very compactly* so that they will burn *entirely clean without repiling*. The cost of repiling in order to fully destroy the large limbs has been found to be nearly as great as the first piling.

"In the actual operations on the Minnesota National Forest Reserve the cost of piling and burning the brush has not exceeded on any of the territory over which I have supervision, twenty-five cents per thousand feet, board measure, and it has in some instances been reduced to twelve cents per thousand feet.

"The most economical method of destroying the brush and debris has been found to burn it as logging proceeds, whenever the ground is covered with snow, or when it is sufficiently damp or in such condition that the fires will not run nor endanger the surrounding forest. The loggers have been burning brush all winter from choice, although there have been ten inches of snow on the ground, and they find it is the most economical method, to clean and burn as they go.

"Where they are burning the brush and debris as logging proceeds, when the crew begins skidding, they select desirable places for starting fires where no damage will be caused to the standing timber, then with the aid of an extra swamper the limbs as they are cut off are piled on the fire, which soon becomes a mass of live coals that will destroy the smaller limbs thrown upon it almost immediately, and quickly reduce to coals the large green body limbs. Oftentimes a tree top can be hauled in bodily to the fire by the skidding teams without any extra cost to the logger. As a final result the brush and debris are burned when the logs are skidded, and no damage is done to the forest. A decided advantage gained is that the skidding team has a much better chance to work, by reason of the cleaner ground, from the brush and debris having been removed as the skidding proceeds. . . . . .

"The cost of piling and burning the brush has been found to be approximately the cost of one extra swamper for each skidding crew which is expected to pile from twelve to twenty thousand feet per day. As an average figure in the Minnesota Forest Reserve, fifteen cents a thousand feet, board measure, would, I think, be about right for piling and burning.

This figure would, of course, vary according to locality, the conditions existing on the tracts, and the executive ability of the crew doing the work.

"The dense stand of timber on and around the famous Section 16, just east of Cass Lake, has been cut and removed. In this particular locality the stand of timber was the greatest of any portion of the Chippewa Indian Reservations in Minnesota. There were many acres of this territory that yielded upwards of fifty thousand feet, board measure. The brush and debris on this area has all been burned and the trees reserved for seed trees are now standing uninjured by the fires."

* * * * * *

"On the territory where logging operations have been completed, no serious damage has been caused to the trees reserved for seed trees, or reforestation. The danger of forest fires in the near future on the lumbered area has been reduced to the minimum, since from a lack of material to feed running forest fiires, they can now be successfully combatted and easily extinguished. This would have been impossible had the large amount of brush and debris caused by lumbering operations been allowed to remain scattered over the ground."

The following quotation from a private letter from a lumberman operating on the Reserve is of interest as a further contribution to the cost of brush burning:—

"The actual cost depends somewhat upon the logger and the intelligence and honest effort he brings to bear upon the matter. It is safe to say that intelligently done the brush can be piled and burned at a cost of from twenty to twenty-five cents per thousand; the larger the cut per acre of the timber, the less the cost per thousand. The average cut per acre is about twelve thousand under our operations so far; that is, using the section of land as the unit, which has usually been the case in the purchase; but the real facts are that very often 300 acres of the 640 may be heavily timbered, at nearly twenty thousand to the acre, and the balance with little of anything on it. The total acreage cut by us (the amount of feet board measure scale) shows about twelve thousand to the acre. We have found that it is practicable, and cheaper, to burn the brush in the winter at time of cutting."

The following comments by Dr. B. E. Fernow, quoted from an article in the Forestry Quarterly (Vol. 3, pp. 105-113) written after a personal inspection of the areas that have been so far logged under the terms of this sale, give a forester's opinion of the results so far attained:—

"I have seen nothing . . . . that will teach the lumbermen so readily two important lessons, namely, that brush should be burned and can be burned at little expense, and that reproduction can—under conditions—be secured with little or no present outlay."

And again:—

"The main value of the experiment is not so much in the demonstration that pine can be reproduced by natural seeding, which every forester at least knows, as in the demonstration that brush can be burned with ease, without danger, and at little expense."

* * * * * *

Natural Reproduction of White Pine.

While, as Dr. Fernow says, every forester knows that white pine may be reproduced by natural seeding, this information is by no means shared

by the general public. The obliteration of the white pine forests and their replacement by stands of hardwoods, and other inferior species, is unfortunately a too well known phenomenon wherever white pine has been logged; and has, in the absence of a knowledge of causes, led many to the conclusion that a white pine crop cannot follow a crop of white pine.

Wherever this disappearance of the white pine has been observed, it may be traced to one or more of three causes, namely, (1) absence of seed trees; (2) unfavorable conditions of soil cover for a seed catch; and (3) fire.

The most usual method of the transformation is the removal of all of the mature pines by the lumberman and the destruction of all young trees and the seeds in the soil by the usual after-lumbering fires. The ground is then occupied by a growth of broad-leaved trees which originate either from seed blown from a distance, as is usually the case with birch and poplars, or from sprouts from the stumps or roots of the broad-leaved trees which were present in the former pine stand and which unlike the pine have the power of sprouting a new tree from their roots which were protected from the fire by the soil.

Should, however, a sufficient number of pine seed trees remain after the fire, conditions are then most favorable for a second crop of pine. The destruction of the debris and the reduction of the amount of leaf litter on the surface of the soil by the fire is the best possible preparation for a successful catch from the next crop of pine seed. I shall mention two tracts located widely apart which I examined in 1903, which illustrate very well what may be expected in the way of a second crop of pine under these conditions.

Tract No. 1 is located in Cheshire County, New Hampshire, and was formerly occupied by a first-class stand of white pine. The best of the pine was lumbered about sixty years ago. As usual, then as now, the logging operations were followed by a slash fire which disposed of the debris and destroyed all small pines. There was, however, quite a number of large pines scattered over the area which were left by the lumbermen because of defect, and which escaped the fire by reason of their very thick, rough, almost fire-proof bark. These trees quickly seeded up the soil for a new growth of pine. At the time of my visit in 1903 the present owners were cutting this second growth for box-boards and were getting an average cut of 40 M., "rough edge," per acre. This is equivalent to about twenty-five to thirty thousand feet, board measure, of square-edged lumber per acre, which is certainly a splendid return for rough, non-agricultural land in sixty years.

The second example of natural reproduction of white pine from seed trees on logged lands that I shall mention is to be found directly east of Blue Lake, Muskegon County, Michigan. These and surrounding lands were lumbered about thirty years ago, at which time many large defective trees were left standing throughout the Michigan pineries, the price of lumber not warranting their removal. The fire which followed the logging operations here as in New Hampshire failed to kill these large trees, though almost all the younger trees were destroyed together with the brush. The location of the land directly east of Blue Lake protected it from recurring fires which are the scourge of the Michigan stump lands, and permitted the development of a fine reproduction from the seed trees present. Later the land was abandoned to the State for taxes, all the then merchantable timber having been removed. Some time after, when the growing scarcity of pine made it worth while, the seed trees were themselves cut by trespassers. The reproduction of the pine, however, was already thoroughly

established, and at the time of my visit there was not less than 4,000 young pines per acre on the most open part of the small tract examined.

Many other examples of successful natural regeneration of the white and red pine might be instanced and may be seen to-day throughout the Canadian and American pineries which have been logged before the rising price of white pine lumber made it in the interest of the lumberman to cut all of the large trees. Unfortunately present market conditions are such that practically no pine trees large enough to withstand the slash fires which usually follow in the wake of the lumberman are left to reproduce their kind. Fortunately we have in the Minnesota experiment a demonstration that the securing of the conditions most favorable to the natural reproduction and safety of our pineries is not only thoroughly practicable, but may be secured at a minimum of cost.

JUDSON F. CLARK.

THE PROPAGATION OF TREES BY FARMERS.

By JUDSON F. CLARK.

There has been a great awakening within the last few years in regard to the desirability of giving the woodlots better care, the planting of windbreaks, for the protection of the farm and home and of other improvements about the farm which require trees for planting purposes. One result of this has been an unprecedented demand for suitable trees for planting. This has in turn resulted in exorbitant prices being asked for desirable planting stock by the few nurseries which were able to supply any considerable quantity. During the present season (1903) the quotations for white pine, for example, ranged from $15.00 to $45.00 per thousand for three-year, once-transplanted stock. Inasmuch as about 1,700 young trees are required to plant an acre properly, the cost of planting stock alone would range from $25.00 to $70.00 per acre, a cost which even at the lower figure is practically prohibitive. Such stock can be produced on a large scale at a cost of about $3.00 per thousand and in time we shall doubtless have good planting stock at reasonable prices.

The following notes on the collecting, care, and planting of tree seeds and the transplanting of trees are especially prepared for the farmers of Ontario, and the methods are such as may be employed where small quantities are required. The large grower will in many cases adopt radically different methods, but it is not the intention to discuss nursery methods in this paper. Only such species are discussed as have a considerable value for woodlot, windbreak, or shade purposes. Special notes regarding the seeds of particular species will be found at the end of the paper where the different species are commented on separately, with notes on their value for different purposes.

The Seed.

Tree seeds may be purchased from seed dealers or may be collected by the farmer himself. Wherever the latter plan is practicable it is to be very strongly recommended for then only is one sure to have perfectly fresh seed and true to name. Moreover tree seeds are usually very expensive, while the collection of what would be needed for farm plantations may be done at a trifling cost. An additional reason for collecting one's own seed is found

in the fact that seeds grown in a locality are always better for local planting provided they are of good quality, for they are best adapted to the local climate.

Seed Years.

Trees vary greatly in the frequency with which they bear seed. Some trees such as elms and maples usually bear a crop of seed every year while in the case of others such as the oaks and many conifers a crop of seed is produced at intervals of from two to five years, or even longer. There is also a great difference in the location of a tree in this respect. The more open the location and the better developed its crown, the more frequently will a tree bear seed. Thus while in dense forests the white pine usually bears seed every five to seven years, white pine trees standing in the open usually seed every two or three years, and occasionally on successive years.

Seed Trees.

Good plump seed is as important in forest work as in agriculture, perhaps, indeed, more so, for while in agriculture a mistake in one year can be remedied the next, a mistake in the matter of tree seeds extends over many years. The best tree seeds are ever to be found on the broad-topped, vigorously growing trees which are favorably located as regards light. Seeds from such trees are plumper, possess greater vitality, and will therefore produce more vigorous seedlings than those produced in dense woods. The fact that a tree has a short trunk is no objection whatever to the use of its seed. The shortness of the trunk is the natural result of the tree having stood in an open stand during the years of its greatest height growth, and the best bred seed in the world will produce short-trunked trees under these circumstances.

Collecting the Seed.

A few forest trees such as the elms, poplars, and soft maples mature their seeds early in summer. Such seeds should be collected at once when mature and planted immediately without having become dry. Nuts and acorns may be collected after falling in autumn. Quite a few seeds may be collected in winter such as the ash, locust, catalpa, and others. It is better, however, to collect all such seeds when fully mature in the fall and care for them as directed below. The seed cones of the evergreens should be collected late in summer when they turn brown. It is best to collect them before they are fully browned for otherwise one is liable to lose some of the best seed by the opening of the scales of the cone. The maturity of other seeds can usually be determined by the browning or yellowing of the seed coats. The falling of the seed is also a pretty safe guide. Seeds that fall prematurely because of blight or other accidental cause lack the plumpness of mature seed and are usually readily distinguished. Pruning shears by means of which small branches loaded with seeds may be removed will be found very convenient in collecting. In the case of the cone-bearing trees climbers, such as linemen use for scaling telegraph poles, will be found very useful.

Regions of Seed Supply.

It often happens that the desired seeds are not available in the locality where they are wanted. This may be due to the extermination of the species when the country was cleared, or from natural causes. The natural distri-

bution of trees may be limited by a great variety of causes, and is necessarily limited by their ability to mature their seed, while many trees may grow well and make excellent timber where they rarely if ever produce fertile seed. It should be possible for farmers to co-operate in the matter of seed collection, either through the medium of Farmers' Institutes or clubs or the agricultural journals.

Caring for Seed.

The only care necessary in the case of seed maturing in early summer is to plant them before they become dried out. In the case of the cone-bearers the cones should be put in a dry room for a few days till the scales open. The seed may then be removed by striking the cones point downward on a table. If all the seed does not fall out, the operation may be repeated another day. The seeds should be freed from their wings by rubbing and fanning. If wormy, nuts and acorns should be placed in a tight box and treated with carbon bi-sulphide gas before storing for winter. Otherwise the ravages of the worms during the winter may destroy many seeds which might otherwise be saved.

Winter storage of tree seeds is a matter of great importance. They must be protected from mice, heating, moulding, and drying out. Where large quantities of seeds are being cared for this may be a matter of great difficulty requiring special treatment for different seeds. Fortunately there is one method which, while perhaps not always practicable on a large scale with many seeds, is entirely practicable with all seeds in the quantities the farmer may be interested in. This is the method known as *stratifying in sand*. Briefly, it is to pack the seeds in clean, moist sand in a mouse-proof box which is then placed in a very cool cellar, or perhaps better, buried out of doors in a well drained soil at a fair depth—say, six to twelve inches—so as to avoid any possibility of sprouting during a very warm spell in Autumn. If only one kind of seed be used in a box, the seeds may be simply mixed with the sand and removed from it again in the Spring by using a seive. If the seeds be nearly as small as the sand grains or if a number of kinds are to be placed in the same box, it will be better to proceed as follows:—Place a layer of moist sand in the bottom of the box, cover this with cheese-cloth, place a very thin layer of seeds, then more cheese-cloth and cover with one or two inches of moist sand and so on. It is strongly recommended that all seeds be stratified in sand as directed above soon after they have been collected. They may, of course, be kept in perfect safety in a cool dry cellar for a week or two until a sufficient quantity has been collected to make it worth while packing a box for winter storage.

Testing Seeds.

If a farmer collects his own seed and cares for it as directed above there will be little need of testing the vitality of his seeds. Purchased seeds, however, must be tested before planting. This may be roughly done by cutting through 50 or 100 seeds with a sharp knife. The good seeds will be found to be plump, firm, and moist, while those which are shrunken, mouldly, or entirely dried out may be assumed to be worthless. The only accurate test is of course a germination test and it may be easily made by anyone by planting a hundred seeds in moist sand, powdered sphagnum moss or between the folds of moist cloth and keeping them in a warm place for from ten to thirty days.

Growing of Planting Stock.

The seeds may be planted where the trees are wanted or first started in the garden and later set out when the trees are from one to three years old. As a rule only the larger nuts and acorns are planted directly where the trees are wanted. These trees produce a long tap-root and cannot be very satisfactorily transplanted on a large scale. The fact that the nuts and acorns are large indicates that they have considerable reserve food stored up, and that their seedlings are therefore capable of making a better fight for themselves during the first year than those which spring from the smaller seeds and are on that account necessarily very tiny at first and easily crowded out by other vegetation.

Dibbling in Nuts and Acorns.

Where nuts or acorns are to be planted where the trees are wanted, it is usual to put them in with a dibble to a depth of about twice their own diameters in heavy soils and three times their diameters in lighter soils, spacing them about three feet apart each way. This may be done either in the Spring or Fall, but if done in the Fall the nuts should be slightly moistened and completely colored with red lead, otherwise the squirrels will very likely destroy the most of them.

Where fairly large trees are wanted for planting in the barnyard or along lanes where they must be above the reach of the live stock, oaks and other nut trees should be grown the first year in boxes. The tap-root on striking the bottom of the box will be forced to grow in a horizontal direction. Such trees can be as readily transplanted at the end of the first year as other trees. For general forest planting, however, it is better that the tap-root strike directly downward, hence the desirability of planting the nut where the tree is wanted.

The Seedbed.

Most seeds should be started in the garden where they can be especially cared for during the first year or the first two or three years as they may require. A well drained, deep, sandy loam is the soil best suited for this purpose, but any good garden soil will yield satisfactory results. It is desirable that the seedbed be located in a sheltered spot so as not to be exposed to the sweep of the drying winds. The soil should be worked deeply and thoroughly the Autumn preceding, also thoroughly in the Spring, but not deeply. If the soil be poor, well-rotted manure should be worked in when the soil is cultivated in the Fall as for any garden root-crop.

Sowing the Seed.

The seed is best sown in drills which may be from six to twelve inches apart for hand cultivation and the usual root-crop width for cultivation with the horse hoe. It will be a safe rule to plant all seeds to a depth of two or three times their own diameter. The soil should be well firmed by rolling before planting the seeds, and gently firmed above the seeds after covering. In the case of the coniferous seeds a layer of sand $\frac{1}{4}$ inch in depth should be sifted over the bed after sowing the seed. If trouble be anticipated from birds or squirrels robbing the seed from the seedbed, it should be covered with red lead before sowing as advised in the case of nuts and acorns.

Mulching the Beds.

Having completed the sowing, all seedbeds should be covered with a mulch of one to two inches in depth. Forest leaves are the best for this purpose, being free from weed seeds and are more easily removed than cut straw, which may, however, be substituted. This mulch keeps the soil evenly moist and of even temperature, insuring much greater uniformity of germination. An additional advantage is that many weed seeds in the soil will germinate and perish for want of light under the mulch before the tree seeds have germinated. It is also a perfect protection from the blowing off of the soil covering by the wind if the weather should be dry or the washing out of the seed in case of heavy rains. The mulch must be removed when the first seedlings are seen to be finding their way through the surface soil.

Screening the Beds.

As soon as the sowing is finished, the bed containing the conifers should be provided with a screen so as to shield the young seedlings on the removal of the mulch from the full sunlight. This may be simply a brush screen erected two to four feet above the bed, or perhaps a lath screen which admits about half the light. The latter is more convenient in that it is more easily removed during dark summer days, or for convenience in weeding. All young conifers should be screened till about the middle of August of the first year, when the screens should be dispensed with. The broad-leaved tree seedlings do not require screening.

Thinning.

Should the seedlings be very thick, they should be thinned as soon as they are well established. The conifers may be left ¾ to 1 inch apart, and the broad-leaved trees about 2 inches apart. The poorer seedlings should of course be removed wherever possible, reserving the more vigorous ones.

Weeding.

This needs no further comment than that the seedbeds should be kept free from weeds. In dry weather the surface soil between the rows should be kept stirred to a depth of half an inch or so to conserve the moisture.

Autumn Care.

It is usual to set out in their permanent plantation most broad-leaved trees when one year old. Such seedlings should be taken up in Autumn after the wood is fully matured and heeled-in for the Winter. The removal of seedlings from the nursery row means considerable damage to the roots of the plants, no matter how much care may be taken to prevent unnecessary injury. The points where the roots and rootlets are broken, however, become calloused over during the Winter, and these callouses form very favorable points for the sprouting of new roots when the seedlings are planted in the spring. In taking up the plants, it is best to lift a good deal of soil with them, using a spade or broad-tined fork. The seedlings may then be freed from the soil with little injury, tied in bunches of, say, fifty and heeled-in in a cool cellar or in a well-drained soil outside where the snow does not lie so late in the Spring as to interfere with using them as early as they may be

planted. The roots and the lower parts of the stems should be covered with soil and the tops covered with straw on which some weight is laid to prevent its being blown away.

The conifers such as spruce and pine should be left in the seedbed for two years, when they may be set out in the permanent plantation if the ground to be planted be not very weedy. If conditions in the permanent plantation are not very favorable, they should be transplanted in the garden and set out permanently when three years old. The Autumn care in this case should consist in placing a mulch of forest leaves or cut straw between the rows of seedlings, leaving their tops uncovered that they may have the benefit of the light when not covered with the snow. This mulch should be left on in the spring until all danger of Spring frosts be past, for it is an excellent protection from heaving out of the plants.

Transplanting Seedlings.

At the age of two years, the seedling conifers (spruce, pine, etc.) should be transplanted if they are to be set out finally on land which cannot be cultivated previous to the planting. Transplanting is best done in the Spring. The seedlings should be taken up with care and re-set about six inches apart in the row. The utmost care is necessary that the roots of the seedlings be not exposed to sun or wind during the operation. A dark day is to be preferred for this work, but if proper care be taken they may be transplanted successfully any day. If the seedlings are to be transported any distance before being re-set, the roots should be packed in wet straw, chaff or moss, and the whole covered with a wet rug or cloth. If there be a delay of more than a few hours in getting seedlings re-set, they should be heeled-in by covering their roots with moist soil. The soil should be made very firm around the seedling when planted. If the soil be light, they may be set one-half to one inch deeper than they stood in the nursery row. If the soil be heavy, set to the same depth or a very slightly deeper. The transplant bed requires the same care as regards weeding and cultivation as already described for the seedbed. Transplanted stock is ready to set out in the permanent plantation after standing one year in the transplant bed.

Propagation by Cuttings.

Poplars and willows are much more easily propagated by cuttings than from seed. A number of other trees, such as elms, catalpa, ash, and other broad-leaved trees, may also be propagated in this way, but propagation from seed is in their case the more satisfactory. Practically, the cottonwood is the only tree which farmers will be using at all extensively, which should be propagated in this way.

Cuttings may be made at any time when the leaves are off the tree. February and March, however, are perhaps the best months. They should be taken from full matured one or two-year-old branches which are from one-fourth to one-half inch in diameter. A convenient length for cuttings is from eight to twelve inches. They may be cut from the branches with hand-pruning shears or a hatchet. They should be pointed at the lower end with a sharp knife. This pointing removes any bark which may have been broken from the wood by the hatchet, distinctly marks the base end of the twig, and is of advantage in planting it in the ground. They should then be tied in bunches of, say, fifty and buried in moist sand in a cool cellar until the frost is out of the ground.

The planting of cuttings may be done very quickly and well by using an iron dibble having a diameter equal to the larger cuttings and which is furnished with a convenient gimblet handle. This dibble is thrust into the ground in a slanting position and the cutting inserted in the hole formed, leaving one or two buds above the surface. The slanting position is very advantageous in that the soil as it settles is brought into intimate contact with the cutting. This may be aided by stepping firmly on the soil above each cutting after it is set.

Permanent Plantations.

The preparation of the soil, the choice of species, the manner of mixing the different species chosen, the setting out of the stock, and after care of the plantation are all of the greatest importance.

Preparation of the Soil.

Wherever it is practicable to prepare the soil thoroughly it is very desirable that it be as well prepared for the setting out trees as for any other crop. If the land be very rough it may not be possible to do anything in the way of preparation. In such cases all that can be done is to use extra good planting stock and plant with greater care. If the land be soddy cut out about twenty inches square of the sod, plant the tree, and replace the sod in an inverted position. It will then serve as a mulch.

Choice of Species.

The climate, the soil, and the purpose for which the plantation is made will be carefully considered in making a choice of species for planting. There were in the natural forest many very valuable trees in all parts of the Province of Ontario. All such trees are known to be certainly adapted to the localities in which they were found, and no mistake can be made in using them. In addition to this most species, as has already been noted, may be grown successfully a considerable distance north of the limit of their natural distribution. There are also some foreign trees which are admirably adapted to our conditions, *e.g.*, the Norway Spruce. Further notes on the adaptability and uses of some of our most important trees will be found at the end of this article.

The Mixing of Species in Plantations.

As a rule, plantations should be of several species. Such plantations give a diversity of product and are less liable to serious ravages by insects and diseases. The mixing of the species should, however, be groupwise rather than by alternating rows or alternating species in the rows. The groupwise mixture secures all the advantages to be gotten from any mixing, and has the additional advantage of admitting of using the species best adapted to the different parts of the plantation area on those parts. That is to say, that one may place a pine group on the gravelly or sandy ridge, a tulip group or a walnut group on the deep loomy soil of a depression, an ash group on the moister soil, and so forth. Another and almost equally important advantage will be that the trees in each group will have a similar height growth habit. This will result in the production of a better quality of timber. The mixing of trees by alternating the species in the row is admissible and desirable in the case of a few trees which, because of the open-character of their crowns, do not make a good soil cover. The black walnut is a good example of such a tree. In planting it should be alternated with hard maple or other shade

enduring tree. The maple will not amount to much so far as the timber is concerned, for the walnut will quickly outgrow it and shade it, preventing any considerable growth. The maple, however, is capable of living and growing slowly under the shade of the walnut and provides an excellent soil cover, and thereby greatly increases the vigor of the growth of the main walnut crop.

The Planting.

Little need be added to what has been already said regarding the planting of the seedlings in the transplant bed. There are just two secrets of success in planting trees and both need to be used together for the best results.

1. Keep the roots from being dried out by sun or wind, and
2. Plant the little tree so firmly that it would seem that it would break rather than pull up on being grasped by the top.

All the planting tools necessary are a good hoe, and a bucket with a couple of inches of water or thin mud in the bottom in which the roots of the little trees to be planted are kept. In placing the tree, spread out the roots as evenly as may be quickly done, fill in the soil and pack it firmly around the stem, using both feet to firm it. Finally, cover the surface with some loose soil, old leaves, inverted sod, or anything that is at hand for a mulch.

It is important that a sufficient number of trees be planted per acre to quickly cover the soil and to induce the trees to grow straight, clean trunks. This should not be less than 1,500 per acre, and double that number would be considered still more satisfactory. The larger the number, however, the greater the cost, both for planting stock and labor of planting. As a compromise between efficiency and economy, trees are commonly set five feet apart each way, which may be regarded as at once fairly efficient and economical. This requires 1,730 trees per acre. Where it is practicable to cultivate the trees for two or three years after planting, it is better to vary this to 6 x 4 feet. This gives 1,800 trees per acre, and cultivation may be continued a year longer between the six-foot rows than would be practicable where they are but five feet apart.

Where the owner is willing to go to a greater expense, 4 x 4 feet is a favorite spacing. This gives 2,720 trees per acre. This may be varied to read 3 x 5 to make a better arrangement for cultivation, which gives 2,870 per acre. As an intermediate spacing between the 4 x 4 and the 5 x 5 spacing, 4 x 5 is frequently used. This gives 2,180 trees per acre, and is a very satisfactory spacing in every way. In most cases the 5 x 5 or 4 x 6 spacing will doubtless be chosen.

Cultivation of Plantations.

The cultivation of plantations is only practicable where the area planted has been very open and free from obstructions. Wherever it is practicable it should be done for two or three years at least, and longer if the trees will admit of it. The increased vigor of growth will amply repay the labor.

Cultivation should be frequent if the season be dry so as to keep a mulch of loose soil on the surface of the ground between the rows. The cultivator should be run through after rains to break the crust formed on the surface. The cultivation should be discontinued at the end of August so as to enable the young trees to thoroughly mature their wood before the Fall frosts.

Shade Trees.

On account of the importance of shade trees in the barnyard, along roadways, and in other places about the farm, a short note might be added regarding their propagation and transplanting.

The difference between such planting stock and that raised for forest planting is chiefly a matter of size. If broad-leaved trees be used they can first be grown to a size that places their tops beyond the reach of the live stock. In the case of evergreens this can also be done, but as they are much more difficult to transplant when so large, it is recommended that they be planted out when not more than five or six years old and be protected from the live stock by fencing. If the broad-leaved trees to be used for shade tree purposes be of nursery grown stock they can best be prepared for setting out by being transplanted several times. If trees be selected in the woodlot for setting out, they should be taken from parts which are fairly open that they be accustomed to the full sunlight. One year before they are to be moved they should be prepared for the ordeal by cutting off all roots with a sharp spade at a distance of say 18 inches to 2 feet from the stem. The top should be reduced at the same time to correspond with this root pruning, but the main trunk of the tree should in no case be cut off, for it is almost certain to permanently injure the shape of the top of the tree. When the tree is dug out a year later it will be found to have developed an immense quantity of fibrous roots near the base of the tree. These roots will hold a quantity of the soil very tenaciously and in moving the tree it is better to allow as much of this soil to remain on the roots as can be conveniently transported. Trees prepared for transplanting in this way should show a very small number of failures and should grow very rapidly from the first in their new location.

Some Trees Having Special Value for Woodlot Work in Ontario.

1. *The White Pine (Pinus strobus).*

The white pine had been well named the King of Trees. It is the tallest, most stately, most beautiful, as well as the most valuable of all our northern conifers. The former supply was so abundant and its qualities so satisfactory for a multitude of uses that it has taken a place in the industrial life of the country that is not equalled by any other tree. The inevitable exhaustion of the natural supplies which has been foreseen only when it was already too late to prevent in the near future a great scarcity of white pine timber, has resulted in a phenomenal advance in prices which has placed the growing of this tree on a perfectly sound financial basis.

It is quite at home on poor sandy and gravelly soils and was found in greatest abundance, though not in greatest perfection, on such soils in the original forest. While it is admirably adapted for rendering such inferior soils productive, it nevertheless resembles most other plants in that it is more productive on better soils. It may be grown successfully on almost any type of soil and throughout the Province. It is one of the most rapid growing of our forest trees, producing under the most favorable circumstances 1½ to 2 cords of body wood per acre per year.

The cones bearing the seed mature about the end of August or early in September, and should be collected before they open. Seed purchased from the trade is very often very inferior in germinating qualities and is very expensive ($2.00 to $4.00 per pound).

The white pine is one of the trees which it will amply pay the farmer to prune. With pruning, 200 to 250 logs of perfectly clear white pine timber

may be produced per acre, assuming the trees to be pruned to a height of one log length. The value of such a product to-day is enormous. That it will be much greater fifty or eighty years hence is morally certain. The wood of the white pine is very durable. It is this very durability which prevents the early rotting and falling off of the lower branches (as is usual with most other trees) on being killed by shading as the higher branches develop. Consequently the white pine, no matter how densely grown or how mixed with other trees, retains its lower limbs from thirty to fifty years after they are dead. Every one of these dead limbs means, of course, a "dead" or "loose" knot in the lumber, and greatly reduces its value, hence the value of pruning. The pruning should be done before the trees exceed four, or at most six or seven inches in diameter, and dead branches only should be removed. Only such trees as are intended to make the final crop should be pruned, say 250 per acre. It is evidently a waste of effort to prune trees which will later be overtopped and removed for firewood and other minor purposes during the development of the crop.

Three-year-old, once-transplanted white pine stock is usually used for plantation purposes, but if the land be clean and cultivated before the planting, two-year, untransplanted seedlings may be used. The trees should be spaced 5 x 5 or 6 x 4 feet, the latter being preferred when cultivation is practicable. This density will insure straight trunks, rapid height growth, and prevent the development of large branches and will result in the lower branches dying early, making the pruning very easily accomplished and thoroughly effective. The white pine should be planted in groups of pure stand (unmixed with other species) on the drier portions of the woodlot area. It is also an excellent wind-break tree, being second only to the Norway spruce in this respect.

2. *The Tulip or Whitewood (Lireodendron tulipifera).*

The tulip resembles the white pine in straightness of its trunk, rapidity of its growth and the value of its timber, and is worthy of a very important place in the woodlot.

The tulip when fully grown has a very open crown and on that account admits too much light to the soil, hence it is desirable that a "soil cover" crop be planted with it. The hard maple is admirable for this purpose. The maple may be planted in the rows with the tulip alternately. The tulip will quickly outgrow the maple and overtop and shade it to such an extent that the maple will make but little growth for many years. However, the maple is capable of living and making slow growth under the shade of the tulip and it is there to utilize the light and protect the soil when the crown of the tulip becomes more open as it certainly will with age. A soil cover of this character, as has already been noted, will greatly increase the vigor of growth of the main crop.

The seed, which will be found in the form of cones at the top of the trees, matures in Autumn and should be collected not later than October. Not more than 5 to 10 per cent. can be expected to germinate, hence it should be sown very thickly. It is very important that it be kept stratified in moist sand, as recommended for all seeds in small quantities, during the Winter, for if dried out it is likely to remain a season in the ground before germinating The tulip is usually set out in the permanent plantation as one-year seedlings. If they are very small, or the plantation ground weedy, they should stand a second year in the seed bed. Should this be done the planting stock may be improved by passing a knife through the soil three inches on each side of the row of seedlings, cutting off the longer roots and thus inducing

the development of small fibrous roots, which will sprout vigorously from the points where the roots were cut off. This root pruning should be done in the Autumn of the first year after all growth has ceased for the season, and may be used with advantage with other trees under similar circumstances.

The tulip prefers a deep, warm soil of at least moderate fertility, hence should be grouped in the more fertile depressions of the woodlot where the drainage is good. It is adapted to Southwestern Ontario, and may be grown successfully in most localities fully fifty miles northward of its natural distribution.

3. The Chestnut (Castanea dentata).

The chestnut is a very valuable wood for post stock, railway ties, telephone poles, and other uses where a wood durable in contact with the soil is required, and has recently come into favor for interior finish and a variety of other uses. It makes a splendid ornamental tree and has an additional value on the farm because of its nuts. It is a very rapid grower, producing on favorable soils as much as 1⅓ cords of wood per acre and year.

Unfortunately the chestnut is limited to a comparatively small portion of Ontario for commercial planting. The northern limit for planting on a large scale is probably near a line drawn from Hamilton to Sarnia. Undoubtedly it may be grown successfully in favorable locations much farther north than this, but it is not recommended for general planting outside the area indicated. It does well on a comparatively light soil and is especially partial to a gravelly subsoil. It does poorly on limestone soils. A deep loam with gravelly subsoil gives the best results.

It may be propagated either from sprouts from the stump (coppice) or from the nut. In the former case the stumps should be cut low, preferably with an ax, and with a clean slanting convex upward, so that it will readily shed the water and thereby retard decay until the sprouts have become thoroughly established. The low stump will induce the sprouts to originate close to the ground. This is very desirable for such sprouts are less liable to be broken from the stump by ice, snow, or wind, and they early become independently rooted. In propagating the chestnut from the seed, care must be taken to prevent the nuts becoming dry, as they very readily lose their vitality on being dried out.

After setting out in the permanent plantation the young chestnut trees should be cut back to the ground at the end of the first, or, if the growth be poor, at the end of the second, year. The tree will then grow from the roots and during the next year will produce a long, straight sprout which will greatly improve the straightness and hence the quality of the trees in the plantation.

A chestnut stand has an advantage over that of many other species in that the comparatively small sized materials which are removed in thinnings have a high value for vine props, posts, electric railway ties, etc., whereas with many other species such materials are useful for fuel only.

4. The Basswood (Tilia americana).

The value of the basswood as a timber tree is well known throughout the Province. While not so high priced as most of the trees recommended, it always commands a good market and has a very great advantage in the rapidity of its growth and the excellent trees which may be produced by sprouting from the stump. In this respect it is not surpassed.

It is of course hardy throughout the farming sections of Ontario. It prefers a moist situation, but does fairly well on moderately dry soils.

The seed should be collected at once when mature in September, and stratified in sand. If thoroughly dried out they become exceedingly hard and very erratic in germination. After standing one year in the permanent location the straightness, and hence the quality, of the future timber may be improved by cutting back as directed for the chestnut.

5. The Norway Spruce (Picea excelsa).

The Norway spruce, a native of Europe, easily ranks second in value of evergreen trees for the Ontario farmer. In rapidity of growth it is second only to the white pine, and in density of foliage, and hence in efficiency as a wind-break it is easily its superior. It is of much more rapid growth than the native spruces and fully equal to the best in the quality of its timber.

Its greatest value on the farm is undoubtedly for wind-break purposes for the protection of orchard, field crops, and woodlot from the drying summer winds, and the residence, barns, and barnyard from the winter storms. For wind-break purposes a double row with the trees set eight feet apart in the rows and the rows about ten feet apart will make an ideal winter wind-break. In planting the second row it is well to place the trees opposite the spaces in the first row, so that it may close the gaps up at the earliest possible day. In planting for timber, setting the trees five feet apart each way, or six by four feet where cultivation is practicable, is the standard spacing. The Norway spruce is adapted to a great variety of soils, but should not be used on very dry or on very wet locations. The seed can usually be collected from ornamental trees in abundance. It is sold at a reasonable price by dealers and is usually of good quality. An ounce of seed contains about 5,000 seeds.

6. The Sugar Maple (Acer saccarum).

The value of the sugar maple for timber, fuel, and syrup production needs no comment here. It is of course hardy throughout the Province.

The sugar maple has an added value to the forester in that it is one of the very best trees that can be used for what is termed a "soil cover." It has the capacity of living in the shade of many trees and its own shade is so dark that practically nothing can live below it where it covers the ground. On this account it is of the greatest value for planting in mixture with tulip, black walnut, and other thin foliaged trees to keep out the grass, which would otherwise obtain a foothold in stands of these trees, and keeps the soil in the most desirable condition for the growth of the main crop by excluding the sun and wind.

The seeds mature in September and should be gathered and stratified in sand before they are dried out. When planted in mixture for soil-cover purposes it is usual to make from one-third to half the plantation maple. When planted in pure stand for timber or sugar bush purposes it is usual to space the trees 5 x 5 or 6 x 4 feet. If sugar production should be the main object of the plantation, the stand should be thinned more severely than if it be timber production alone, for to be a good sugar tree the maple must have a well developed top, and to have a large top it must have plenty of room. If the stand be kept fairly dense during its earlier years until the trees have attained a good height and have formed straight, clean trunks, and then thinned rather heavily as the main trees require more room for their tops to develop, there is no reason why an excellent sugar bush should not be at the same time producing the best of maple timber. It is admirably adapted for shade tree purposes and as a roadside tree is perhaps unexcelled.

The sugar maple is a tree of slow growth, rarely exceeding three-fourths of a cord of body wood per acre and year on the best maple soils. The tapping of the trees for sugar making checks the growth slightly but not greatly, at most probably not in excess of fifteen per cent. of the normal growth.

7. The Black Cherry (Prunus serotina).

This valuable tree should receive more attention from planters. It is a rapid grower, cleans its trunk nicely and the wood always commands a very high price for furniture purposes. In some sections, however, it is badly attacked by the borer. Where this is the case no extensive plantations should be made.

The seeds should be collected when they are ripe in August or September, macerated in water to remove the pulp, and stratified in moist sand until spring.

The cherry, while naturally doing much better on moist, fertile soils, can also be grown successfully, though naturally much more slowly, on comparatively poor soils.

8. Red Oak (Quercus ruba).

The well known and appreciated qualities of strength, elasticity, hardness, and beauty of grain have for centuries made the oak one of the leading woods for furniture making and for a multitude of other purposes. There can be no mistake in growing a good quality of oak timber for it must always be in demand and in the near future at greatly advanced prices because of the rapid exhaustion of the natural supplies and an increasing consumption.

The oak is hardy throughout the farming section of Ontario. The red oak is recommended for farm planting in preference to the white oak because of its much more rapid growth and the fact that notwithstanding a strong prejudice against it, its price as compared with that paid for the white oak has steadily risen until to-day it commands the same price for plain sawed materials. The fact that it is unsuited for railway ties or posts will not be a determining factor in its price in the future, for all kinds of oak will presently be too high priced to be used for such purposes.

The red oak is adapted to a great variety of soils and may be grown on relatively poor areas. It of course makes much more rapid growth on the better soils and the timber from the more rapidly growing trees is of decidedly better quality, hence it is desirable that the oak be grouped on the richer parts of the woodlot area.

The oak being a tap-root tree is not well adapted to transplanting, and on that account the acorn is usually placed where the tree is wanted. In dibbling in acorns it is usual to space them about three feet each way. The planting of the seed may be done either in the fall or spring. The acorns being bitter, they are not as a rule disturbed by squirrels.

THE ASHES.

9. White Ash (Fraxinus americana).

10. Black Ash (Fraxinus nigra).

The ashes have a special value in two ways. The materials of small dimensions, especially of the white ash, are marketable at good prices, making a return from the plantation at an early date from the thinnings which need to be made in any stand for the benefit of the main crop. A second

advantage is in their adaptability to many soils which are too wet for the growth of farm crops and most other forest trees. The black ash is adapted to a wetter soil than the white ash and in planting should be grouped in the wettest parts, while the white ash might well be planted in a zone around such groups, occupying the soil of intermediate moisture between the black ash and the other trees.

The qualities and uses of the white ash timber are well known. The black ash has suffered much from prejudice, but while distinctly inferior for some purposes to the white ash it is rapidly gaining favor as a wood for interior finish and a variety of other uses in which it is in no wise inferior and its price is rising correspondingly.

The collection of ash seeds and their propagation presents no special difficulties. It is very desirable, however, that the white ash seed be collected from known trees, for the purchased article is often adulterated with green ash seed and is sometimes wholly of that species. These seeds resemble each other so closely that only an expert can certainly distinguish them. The green ash is a very inferior tree for planting in Ontario.

11. Rock Elm (Ulmus racemosa).

The rock elm is the most valuable of the elms. Its wood possesses all the good qualities of the family without the defects. It is strong, tough, easy to work, and takes a fine polish.

The rock or cork elm is hardy throughout Old Ontario. It adapts itself to all kinds of upland soils but naturally prefers soils of the better quality. It is of rather slow growth, ranking with the sugar maple, and the white oak, in this respect. This is to be regarded as its greatest drawback, and it is a very serious one, for its wood is not especially useful in small dimensions.

The rock elm in common with all other elms matures its seed in late spring or early summer. As already noted it should be collected and planted at once on maturing before it has been dried out.

12. Black or Yellow Locust (Robinia pseud-acacia).

A very rapid growing tree of the greatest value for the production of vine props, posts, railway ties and all kinds of materials which are to be used in contact with the soil.

It is rated as a 45-year post tree, which is to say that under the most unfavorable conditions locust posts will remain serviceable for fully thirty years and under favorable conditions they should last sixty years or more. This durability of the wood in contact with the soil perhaps is not exceeded by any tree native to Ontario, and is equalled only by the slow growing and practically extinct red cedar.

The locust is limited to the portion of the Province lying south of the 44th degree of latitude for commercial planting, though as was mentioned in the case of the chestnut it can doubtless be successfully grown in favored localities considerably north of this line, but its planting on a large scale is not recommended farther north than the limit mentioned unless its adaptability to the locality be previously established by trial. Unfortunately its growth even in southwestern Ontario is seriously limited on account of the locust borer which is so common in some localities that whole plantations may be destroyed. Where the borer is common its use on a large scale cannot be recommended for there has been no practical method yet devised for the protection of large plantations from this pest.

The locust is adapted to poor soils. Being a leguminous plant it is not dependent on the soil for its nitrogen. It spreads readily by shoots from the roots, and should not on that account be placed anywhere where such spreading would be disadvantageous. It is for the same reason exceedingly difficult to kill and should only be placed where it is intended to stay permanently.

The seed may be collected at any time during the autumn and stratified in sand. The seed is easily kept, however, and purchased seed may usually be relied upon for good germination results if it be properly treated with boiling water before planting. The treatment is accomplished as follows, and all locust seed should be so treated before planting:—Place the seed in a vessel of water heated to the boiling point and stir briskly at intervals during ten or fifteen minutes; then leave the seeds to soak three or four days. At the end of this time all seeds which are floating are ready for planting, and should be planted at once without again becoming dry. Continue to scald the sunken seeds till all have risen in the same manner. Locust seeds treated in this way are in excellent condition for planting and should germinate promptly.

The locust is usually set out as one-year seedlings and spaced 4 x 4, 4 x 5, or at most 5 x 5 or 6 x 4 feet. They should always be cut back at the end of the first or if they have done poorly, at the end of the second year after planting, as suggested for the chestnut, in order to improve the straightness of the stems of the trees.

A crop of from 1,000 to 2,500 fence posts may be expected per acre at the end of from 12 to 18 years, according to the quality of the soil, with an equal number of vine props, stakes, etc., cut out earlier in thinning, and from the tops of the trees from which the posts are cut. The second crop of locust posts may be expected to be ready in two years' less time than was taken to produce the first crop. This second crop needs no planting for the locust sprouts very vigorously and satisfactorily from the stump, and at the end of the first year the sprout crop is as far advanced as a three-year-old plantation.

13. Hardy Catalpa (Catalpa speciosa).

The catalpa is used for practically the same purposes as the locust, viz.: vine props, fence posts, railway ties, telephone poles, etc. In methods of propagation it is very similar, except that the seeds need no special treatment. The young trees should be cut back when well established in their permanent plantation, and reproduction after the first planting is effected by sprouting from the stumps of the first crop.

In several important particulars, however, the catalpa differs markedly from the locust. It is more liable to injury by frost and hence is confined to the territory indicated for the commercial cultivation of the chestnut. It is wholly unsuited for very poor soils. In fact, it should be planted on good agricultural land only. A third point of contrast is that it is remarkably free from attack by insect or fungus disease.

The utmost care must be taken to secure the true Hardy Catalpa seed. The most that the writer has seen growing in Ontario is the common catalpa or Indian Bean (*Catalpa catalpa*) which is much less frost hardy than the hardy catalpa, and an inferior tree in other ways. The seed should be submitted to an expert before any extensive planting is undertaken. If young stock be purchased from a nursery the species cannot be determined with certainty until the trees begin to bear blossoms and fruit.

The catalpa has a very large and rather tender leaf and the plantation should on that account be provided with a windbreak along its western margin. The cottonwood is well adapted for this purpose because of the extreme rapidity of its growth. A very rapid growing species must be used, for the windbreak should be higher than the crop it protects, and the catalpa itself is under favorable circumstances a very rapid grower.

The yield to be anticipated from the catalpa is about the same as given for the locust. Its wood is very durable in contact with the soil, but is not quite so good in this respect as the locust.

14. Black Walnut (Juglans nigra).

The black walnut is a very valuable tree and on its proper soil is of moderately rapid growth. The valuable wood of the walnut is that of the heart only, hence trees must be large to command a high price. This means that a walnut plantation while yielding finally very large returns, does not yield these returns early.

It may be grown throughout southern and southwestern Ontario. It demands a deep, warm soil of at least moderate fertility. If planted on poor land it is sure to be a disappointment.

The nut ripens in autumn and after a slight frost may be picked up under the old trees in quantity. Stratifying in sand, and dibble in in the spring where the trees are wanted as directed for red oak. The walnut, however, is too thin foliaged to be used in pure stands, and as already mentioned should be planted in mixture with sugar maple, the latter to serve the purpose of a soil cover.

15. Hickory (Hickoria minima).

The value of the wood of the hickories for various purposes is very well known. Four species are native to Ontario. The Bitternut (*H. minima*) seems to be the most widely distributed and hence is probably the best to propagate in the northern parts. It is hardy at least as far north as the latitude of Ottawa. In the southern parts of the province it is probable that the shag-bark hickory (*H. ovata*) will be preferred because of the value of the nut. The wood of the different hickories, and the rapidity of their growth is much the same. The wood of all is regarded as extremely useful for a variety of purposes, but especially for handle stock, and can be used in small dimensions, the sapwood being equally useful with the heart wood. On account of these qualities it yields returns much earlier than the walnut, though a very much slower grower.

The collecting and caring for the nuts, the propagation and general care is practically the same as given for the walnut. The hickories, however, may be grown successfully on poorer soils than the walnut, though the growth is naturally correspondingly slower.

16. The Cottonwood (Populus deltoides).

This is the finest of the poplars and is hardy throughout the farming areas of Ontario. Its wood is of good quality for paper pulp, and is being used quite extensively as a subsittute for tulip (whitewood) in furniture manufacture. About the farm it makes good gate stock, rough boards, etc.

It is an exceedingly rapid growing tree, being perhaps unsurpassed by any tree at present in cultivation in Ontario. Its greatest value on the farm is for temporay windbreak purposes. On account of the rapidity of

its growth one may have an efficient summer windbreak in a few years, and it will often be found exceedingly useful for this purpose while the slower growing trees which are to form the permanent windbreak are growing.

The cottonwood should be propagated from cuttings as already fully described. If planted near the door-yard the cuttings should be taken from the staminate trees so that there may be no cottony seeds to litter the ground every season. When planted in regular forest plantation it should be mixed with hard maple for soil cover. Under the name of Carolina Poplar it has been extensively planted in some cities. It is a poor tree for this purpose. Like all poplars though perhaps to a less degree than most, it is easily broken by ice storms and becomes unsightly. Its very rapidity of growth is also a disadvantage for it is constantly prying up the sidewalks, curbstones, and street paving by the growth of its roots. Its roots also delight to seek out tile drains and entering at an open point choke the interior of the drain with a mass of roots.

17. White Cedar, Arborvitae, (Thuya occidentalis).

This tree has a considerable value for growing fence posts, railway ties, and telephone poles, where the more valuable and faster growing chestnut, catalpa, and locust are not hardy. It also has a virtue in growing on lands too wet for most other purposes. It is a useful ornamental tree and although of too slow growth to be recommended for windbreak purposes, except on soils too wet for the Norway spruce, it certainly forms an unexcelled windbreak when grown.

The seed may be very easily collected in October when the cones open, by placing a receptacle under the tree and striking the branches sharply with a stick. It should be cared for and planted as directed for conifers generally.

The Larches.

18. American Larch or Tamarac (Larix americana).

19. European Larch (Larix europea).

The Larches are rapid growing trees and their wood is strong and durable and in demand for many purposes. The native larch is adapted to very moist, even wet soils, and does very well in mixture with the white cedar, the latter serving the valuable purpose of a soil cover. The European species is an upland tree, but resembles our species in growth habits and qualities of timber.

The ravages of the larch saw fly has in recent years been such that it is doubtful if either species can be used with safety in Ontario.

Its propagation from seed is the same as that for other conifers, but it may be transplanted at the end of the first year if the seedlings are vigorous instead of at the end of the second year as recommended for most conifers.

THE FARMER'S WOODLOT.*

By J. F. Clark, Ph. D.

1. Some Words of Encouragement for the Present and Prospective Woodlot Owner.

The importance of giving more attention to the care of the farmer's woodlot is becoming every year more evident as the price of fencing materials and other wood supplies required by the farmer increases, and the available supplies of merchantable timber decrease. The last few years have also witnessed an awakening in regard to the value of the farmer's woodlot as a source of fuel. In many parts of Ontario the people have learned that in the event of a snow blockade or a coal strike, the local supply of wood fuel is the only thing which stands between them and actual suffering. It is also appreciated that while under normal conditions coal must form the bulk of the fuel in the immediate future in Western Ontario, some wood fuel is needed in almost every home for the greatest comfort.

It is perhaps of sufficient interest to point out here the fact that we are already very largely dependent for our hardwood supplies on importations from the United States, and that the hardwood supplies of that country are being depleted, notwithstanding a regular and rapid advance in price, at an alarming rate. The United States one hundred years ago possessed in its eastern and Mississippi Valley forests by far the finest and largest supplies of hardwoods in the world. In fact the only other areas of similar timber which were of real importance in the world's supply were those of Western Ontario, small portions of Bavaria and Austria and the Amoor Valley in Northern China. The only portion of these hardwood areas which is of importance to us is of course that of Western Ontario, and as we all know, these supplies are all but exhausted. The supplies available in the United States, while very greatly reduced, are still large, but as practical forestry is as yet in its infancy in that country, while on the other hand its consumption of hardwood saw-timber is rapidly increasing and exceeds that of the rest of the world, it is evident that there is no relief in sight in the matter of hardwood prices, and that the man who owns hardwood stumpage will reap a due reward. I might add that the outlook for the grower of white pine is not less encouraging.

I have emphasized the prospect of greatly increased prices for the products of the woodlot in the near and distant future, as being one of the morst encouraging features of the woodlot situation for it is of litile use to urge better methods if the financial outlook be not encouraging.

It is a common error to suppose that the *results* of caring for the woodlot are so long in coming that it is almost hopeless for anyone to reap the reward of better methods in an ordinary lifetime. Nothing could be more erroneous. It is often possible with a change to better methods to increase the annual net production of wood on an acre of woodlot from one-fifth or one-third of a cord of wood to fully two-thirds or three-fourths of a cord or even more in five or six years. Where there is no woodlot and a plantation must be made, the time required for returns is naturally longer, but even here it is possible for farmers to receive a cash return in from eight to twenty years according to the needs to their local market, and the practicability of using fast growing species. I have known, for instance, of a

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Catapla plantation which at twelve years showed a net value of $315.00 per acre in posts and stakes while the cost of planting, cultivation and other care, and the rent of the land for the twelve years amounted to less than $57.00. This leaves a margin of profit which was considered a very satisfactory return by the owner even for the first class agricultural land which was used for this plantation. This is doubtless a very favorable case, and could only be realized in Sothwestern Ontario where the Catalpa may be safely grown on a commercial scale, and on first-class soils. Much the more common rule will be and should be to utilize the poorer portions of the farm for wood production. Even here, however, if the species used be suited to the climate and soil, and proper care be taken of the plantation, a net return of from $3.00 to $10.00 per acre and year may be confidently anticipated in the growing of fence post stock at present prices, and at longest the full return should be enjoyed within twenty years, while a portion of it will be available at a much earlier period. In many cases the average annual return would be materially increased, possibly doubled, by holding the best trees for a longer period for the production of railroad ties and telephone poles.

Aside from its value as a producer of fuel, of saw timber, and of fencing stock, the woodlot may if wisely located, prove of the utmost value as a windbreak for field and orchard crops and for the home. In the case of the crops its value will be greatest in conserving the moisture of the soil by breaking the sweep of the drying winds and by preventing damage by mechanical injury or by winter killing by frost. The greatest value of the windbreak for the barns, the barnyard, and the home will be found in a lesssened demand for food by the stock and fuel for the house and the greater comfort experienced by man and beast in moving about the barnyard during the winter months.

II. Some Common Woodlot Defects and What may be Done by Way of Remedy.

The defects here discussed may best be grouped into two divisions according as they have an influence on the character and composition of the stand of trees, or on the rapidity of their growth.

That most woodlots should contain many trees of comparatively worthless kinds and also many crooked, hollow and otherwise defective specimens of the better species, is easily understood when we recall that the common practice of the average farmer has been for many years to select the better trees for removal from time to time leaving the less valuable in possession of the soil to make what growth they can and to reproduce their inferior kind in the openings made by the removal of their better neighbors. That such a method of making cuttings must finally lead to the practical extermination of all valuable trees on the ground is perfectly evident. The remedy is also evident, viz.; to reverse the policy and spend some years removing the weed trees wherever they are interfering with the growth of better trees. This is what is known as an "improvement cutting."

In making an improvement cutting it is of the utmost importance to first remove any inferior trees which are interfering with the development of better neighbors either by shading them or by mechanical injury by whipping during wind storms. Having removed such as are actively injurious, all hollow, dry-topped, leaning, and otherwise defective trees should come next in line for removal. Such trees rarely contain any wood of value for other than fuel purposes, and in many if not most cases the

amount of sound wood possessed is decreasing year by year, the annual increasement by growth being offset or more than offset by the annual progress of decay. Still another class should be removed as the farmer may be able to use more firewood. I refer to such sound trees as are of comparatively little value because of inferior form or species. Many trees do not and cannot produce wood having a high value because of crooked, forked, or knotty trunks, or because the kind of tree is incapable of producing wood having any appreciable value other than as firewood. To this latter class belong such weed trees as the hop hornbeam and the blue beech. All such trees should be removed from the woodlot as rapidly as they can be utilized to advantage, and their places filled by more rapid growing, more generally useful, and hence more valuable trees.

The woodlot stand is very frequently defective in being too open. Not infrequently farmers with the best interests of their woodlots at heart have through ignorance overcut their woodlands. The result, especially if aggravated by grazing, is very serious in inducing unfavorable conditions as regards the soil moisture and in permitting the lower parts of the crowns of the trees to develop at the expense of their growth in height. In extreme cases it results in the death of the trees at the tops. A fuller discussion of the limitations of thinning must, however, be deferred till a later paper.

In many, perhaps most, cases the culling process by means of which the better trees are removed has been accompanied by the grazing of the woodlands by live stock. Thus while the valuable trees have been decimated by the ax, the grazing has prevented any development of younger stock to take their places. If this double process has been long continued the result is that the woodlot contains only inferior trees and entirely lacks anything better in the way of young trees to take the place of the present stand if it were removed. In such an extreme case, and they are unfortunately only too common, remedial measures will be only partially successful or wholly in vain. The proper treatment in such cases is to cut a portion of the woodlot clean year by year as the wood may be utilized to advantage, and reforest the area cleared each year by planting with desirable species. This clean cutting should proceed from the east side so that trees unaccustomed to exposure to heavy westerly gales will not be endangered by unnecessary exposure. An additional advantage will be that the remaining portion of the old stand lying to the west of the portions planted will provide a much desired windbreak for the young plantation.

The second series of defects which we shall discuss relate to the *rapidity of growth* in a woodlot. If we leave aside artificial fertilization of the soil and irrigation, both of which are not to be thought of in connection with timber growing, there are no conditions conceivable which are more favorable for *rapidity of growth* than obtain in a dense natural forest. To be sure in such a forest the natural decay must on the average completely offset the annual growth, and much of the growth will be found on inferior trees, but taking the amount of cubic feet or pounds of wood which are annually produced by the growing trees as the test, ideal natural conditions excel all others as wood producers. It is therefore the forester's or the farmer's aim to bring about those conditions as nearly as may be and by the judicious use of the ax in the removal of inferior and defective trees to see that the annual growth of wood is being added to the best trees which on being favored by the removal of inferior neighbors will quickly occupy all available space.

The chief features of these ideal natural conditions which we so much desire in the woodlot are: (a) a mulch of leaves which lies everywhere evenly over the surface of the soil preventing the growth of moisture-robbing weeds and grasses, and also any considerable direct evaporation from the soil, and which by their eventual decay amply fertilize the soil. (b) The absence of any considerable motion of the air within the forest, thus preventing undue loss of moisture. (c) The pressure of an undergrowth which shades the soil from the light, aids in protecting it from the wind, and assists in retaining in place the natural leaf mulch. The practical method of accomplishing all this is very simple, viz.; Keep the wind and all live stock out of the woods and dibble in nuts and acorns or plant seedling trees in any openings where on account of previous errors the natural seeding has failed. The keeping of the wind out of the woodlot is not an easy matter, especially where the area is small. In some cases it will be sufficient to leave the margins as dense as possible, removing only the very defective and injurious trees in these parts. In many cases, however, where the woodlot stand is composed of hardwoods it will be necessary to plant a marginal windbreak along the south and west sides and preferably along the north side as well. For ordinary soil in Ontario no tree excels the Norway spruce for this purpose. On a very light soil white pine will be preferred, while on a wet soil the white cedar or arborvitae will be the choice.

III. The Grazing of Woodlots.

The grazing of woodlands by live stock is always more or less injurious. The amount of injury inflicted in any particular case will depend on the kind of live stock grazed, the relative abundance or scarcity of food, the character of the soil, the age of the stand, and the kind of trees.

Grazing may be injurious in two distinct ways:—

1. In destroying more or less completely the natural reproduction of young trees on which the future of the woodlot depends and

2. In influencing adversely the moisture conditions obtaining in the soil, and thereby diminishing the rate of growth of the trees.

Every one who has observed a heavily grazed woodlot must have noticed an absence of young trees which are so necessary to replace the mature trees which are removed from time to time. If the woodlot has not been so heavily grazed there may be a fair representation of younger trees present, but on examination they will be found to consist largely of the inferior kinds. It is a point of prime importance that all kinds of live stock prefer the foliage of such valuable trees as the tulip (whitewood), basswood, chestnut, maple, ashes, and oaks to that of the hop-hornbeam, blue beech, sassafras, beech, thorn, and the like, and wherever grazing is practised at all the young trees of the best species will suffer greatly, thus giving an undue advantage to the more worthless kinds.

The injury done the reproduction in a broad leaved (hardwood) stand, is much greater than where the stand is of conifers for the reason that domestic animals do not as a rule willingly browse on the foliage of evergreens. The injury is very great, nevertheless, even where the stand is coniferous, in that the young trees during their first two or three years are so tiny and resemble the grass in which they are growing so closely that they are unintentionally eaten in large numbers. Many others are destroyed by the treading of the stock, the presence of which also makes for unfavorable conditions for germination of the seeds.

An adequate supply of available moisture is the point of greatest importance in determining the quality of any soil for tree growth. That

grazing is very effective in reducing the amount of available moisture in a soil may best be shown to the eye by examining a woodlot in which the trees grew to their full height under natural conditions and which was subsequently grazed. Under these circumstances it will be found that many of the trees which should still be in their prime are dying at the top. It is also a fact that their vigor of growth is greatly impaired. This, however, is not at all evident to the eye, for no one can without a series of very careful measurement determine how much wood is annually produced on an acre, and no farmer has either the knowledge or the skill to make such a determination.

It may be stated in general terms that few woodlots which have been grazed for ten years produce more than half their natural yield of wood, and the longer the grazing be continued the less will be the annual product. Many woodlots which have been heavily grazed for twenty-five or thirty years are yielding to-day less than one-third of their former production.

This injury to the soil moisture is due to the destruction of the young trees and other undergrowth which is needed to act as a soil cover and to the injury caused by the treading of the soil by the animals.

The destruction of the undergrowth allows much light to reach the soil with the result (a) that it becomes clothed with grasses and other moisture robbing weeds: (b) This light also gradually but certainly lessens the humus in the soil and thereby its moisture-holding capacity, and (c) by raising the soil temperature increases the amount of moisture directly evaporated. The destruction of the undergrowth also admits the wind to the soil, drying it out by direct evaporation and robbing it of its natural mulch and fertilizer, the fallen leaves, by blowing them from the exposed parts into irregular piles or as often happens entirely out of the woodlot.

The treading of the soil by the stock largely destroys the mulch value of the fallen leaves and compacts the surface of the soil and thereby greatly increases the surface run-off during heavy summer showers. The importance of this latter point will be appreciated when it is recalled that during the dry seasons a considerable proportion of the precipitation occurs in the form of thunder showers.

Sheep are more destructive in the woodlot than horses, and horses than cattle. The fine-wool sheep are more destructive than the coarse-wooled breeds. Hogs are not injurious except when the nuts and acorns, of which they are very fond, are needed to secure a reproduction, in which case they should be excluded for a few years till the young trees are well established.

IV. Tree Planting on the Farm.

How to plant a tree properly is something that every farmer should know. It is equally important that the farmer know what tree to plant and where to plant it. But first of all he must know how to get the tree he is to plant.

Securing of Planting Stock.

There are at present two ways in which a farmer may get planting stock. One is to purchase from a nursery, the other is to grow it from seed himself. Neither of these ways is satisfactory. The nurseries as a rule provide good planting stock but in recent years the demand for such stock has so far out-run the supply that exhorbitant prices are being asked for desirable material. For example in 1903 the leading nurseries

growing forest trees quoted three-year, once-transplanted white pine stock at from $15.00 to $45.00 per thousand. Inasmuch as about 1,700 trees are required to properly plant an acre of white pine, the cost of planting material alone would amount to $25.00 to $75.00 per acre, a cost which even at the lower figure is practically prohibitive for woolot planting. Such planting stock can be produced on a large scale at a cost not exceeding $3.00 per thousand. The fact is that the nurseries are not as yet to any great extent in the business of growing trees for planting on a large scale. They have been accustomed to catering to a trade which purchases by the dozen or by the hundred rather than by the thousand and the ten thousand.

The growing of good planting stock by the farmer himself is quite practicable, provided the farmer is a fair gardener. Many broad-leaved trees can be grown in the farmer's kitchen-garden as easily and as satisfactorily as a crop of onions. There is in fact little difficulty in growing any of our broad-leaved trees provided the farmer has a supply of good seed. The conifers are more troublesome, for they must be shaded more or less from the direct sunlight during the first summer, are more liable to "damping off" in the seed-bed, and must in most cases be cared for for three years before they are ready to be set out in the permanent plantation. As a matter of fact few farmers have in the past undertaken the propagation of trees from the seed, and at best only a very partial solution of the problem can be hoped for in this way. Such farmers as are interested in the home production of their planting stock will find the matter discussed in detail in an accompanying article.

Fortunately the governments of several States and the Province of Ontario have become alive to the importance of this question and have adopted the policy of state nurseries. There is no way in which a government can be of greater practical assistance to the farmers in the improvement of their woodlands than by providing for them a high quality of planting stock of the species of trees best adapted to the different localities at a reasonable price with full instructions for their planting and care. In pursuance of this policy the Ontario Government has already established a nursery at the Ontario Agricultural College at Guelph.

At the 1904 meeting of the Experimental Union at Guelph, the Hon. John Dryden, Minister of Agriculture, intimated that it was the intention of the Government to distribute the planting stock produced in the Provincial nurseries at cost of production to such farmers as will undertake to carry out the instructions of the practical forester who will have charge of the work in regard to the preparation of the soil, the planting of the trees, and the after care of the plantation. This policy should in a few years make the best of planting stock available to such farmers as are really in earnest in the matter of improving or extending their woodlands.

What to Plant.

What tree or trees to plant is a large question. To answer it one must consider the climate, the soil, the market, and the object of the plantation. To discuss these features fully and their practical bearing in making a choice from the twenty or more valuable trees which may be grown to advantage in the constituency of the *Farmer's Advocate* would require more space than is at my disposal. Briefly, farmers plant trees for wind-breaks, for the production of timber, and of fencing stock. The production of fuel is usually secondary, the inferior trees and the tops being used for that purpose. Trees may also be planted for shade and for ornament.

For wind-breaks on the great majority of soils, and whether for protection for the orchard and field crops from drying summer winds or the home, the stables and the barnyard from the force of the winter storms, the Norway spruce is unexcelled. It is hardy, long-lived, wind-firm, dense foliaged, and a rapid grower. On a very light soil the white pine will be given the preference, and if the soil be very moist the white cedar (arbor-vitae) will be the choice.

Different species will be used to the advantage in different parts for the production of fencing stock. The hardy catalpa on rich soils and the chestnut on poorer soils, especially where the subsoil be gravelly, will be found very useful as far north as the 43rd degree of latitude. The black locust may be used as far north as the 44th degree for commercial planting. It is well adapted to poor soils, but is unfortunately so badly attacked by the locust borer in some localities that its use could not be recommended where the borer is known to be common. Of course these trees may be grown successfully in favored localities much farther north than the limits mentioned, but their use on a commercial scale beyond these limits is not recommended unless their success is assured by previous trial. The northern portion of the Province must depend on the white cedar and American larch (tamarac) on wet soils, and the European larch, and the banksian pine on the drier soils for post stock.

The growing of trees for timber admits of a wide range of choice. In the first rank, however, must be placed the King of trees, the white pine, on account of the rapidity of its growth, the value of its timber, and its ability to thrive on poor soils. The tulip (whitewood) although preferring a deep, warm soil of at least moderate fertility is exceedingly valuable on account of the high quality of its lumber and its rapidity of growth. The chestnut is a rapid grower and is very highly esteemed for the durability of its wood in contact with the soil, making it well suited for railway ties, telephone poles, etc. It is also in demand for interior finish, furniture, and other purposes. The qualities of the basswood are well known. It is a rapid grower, and although preferring a moist situation does fairly well on moderately dry soils. The Norway spruce is the finest of the spruces, being the most rapid in growth, the tallest, and being equal to any in quality of product. To these must be added the sugar maple, black cherry, red oak, the ashes, the hickory and the black walnut.

V. Tree Planting on the Farm (*Continued*).

(Note. Methods of planting, care of plantations, etc., discussed in the fifth paper as published in the *Farmers' Advocate*, are omitted here, the ground being covered in the article entitled Propagation of Trees by Farmers, see p. 13).

VI. Propagation by Coppice and Cuttings. Planting of Shade Trees.

Renewing the stand by coppicing.

All broad-leaved trees have a greater or less ability to sprout from the stump when cut down as all farmers well know, not infrequently to their sorrow. This sprouting capacity may be used with entire satisfaction for reproducing the stand in the case of the catalpa, locust, chestnut, basswood and soft maple if certain precautions are taken in making the cutting. In the case of other trees the seedling growth is so much superior to the sprout growth that this manner of renewing the stand cannot be recommended.

For the best results the trees must be cut during the dormant season. Stumps should be cut as low as practicable—preferably with an ax—and should present a clean slanting surface, convex upward in order to shed the water readily and thus retard decay until the sprouts have become thoroughly established. Low stumps cause the sprouts to originate close to the ground. This makes them much less liable to be broken from the stump by snow, ice, or wind and enables them to early become independently rooted. In a woodlot which requires 14 years from the seed for a full crop of catalpa or locust fence posts, a second crop of equal quality may be expected in 12 years from the sprout growth if the first crop be properly cut. The species mentioned above may be reproduced in this way almost indefinitely once a good stand has been established by planting.

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How Fast Wood Grows.

Many farmers have not the least idea how much wood may be expected to grow on an acre in a year. It is an important point, for one must have some idea of the limits if plans are to be intelligently made. Measurements of the annual growth are of course entirely out of the question for any farmer.

The capacity for wood production of the different soils varies exceedingly according to the available moisture supply. Different species of trees also vary very greatly in their capacity to produce wood on the same soil. It is therefore only possible to indicate here very roughly some limitations. It is a generally safe rule to say that the softer the wood the more rapid the growth. The white pine, Norway spruce, and the poplar family are our most rapid producers, and on soils favorable to their growth will produce as much as one and one-half cords of wood per acre and year. A number of the more valuable broad-leaved trees such as the tulip (whitewood), the basswood, and the chestnut will on fairly good soils produce more than a cord of wood per acre and year. The harder woods such as the hard maple, the oaks, hickories, etc. will hardly exceed three-fourths of a cord per acre and year on moderately favorable soils, and on poor soils the production may be reduced to one-half or even to one-third of a cord. It must be remembered that these figures refer in all cases to acres which are fully stocked by trees, i.e. have no open spots.

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PHOTO BY J. F. CLARK.

A well managed White Pine woodlot in Norfolk County. The mature pines are removed as needed and their places are taken by the younger trees, which are everywhere present from natural seeding.

PHOTO BY J. F. CLARK.

A remnant of the virgin forest in Huron County in the form of a well cared for woodlot. Note the abundant reproduction of young trees carpeting the ground, protecting the soil and ready to replace the mature trees when cut.

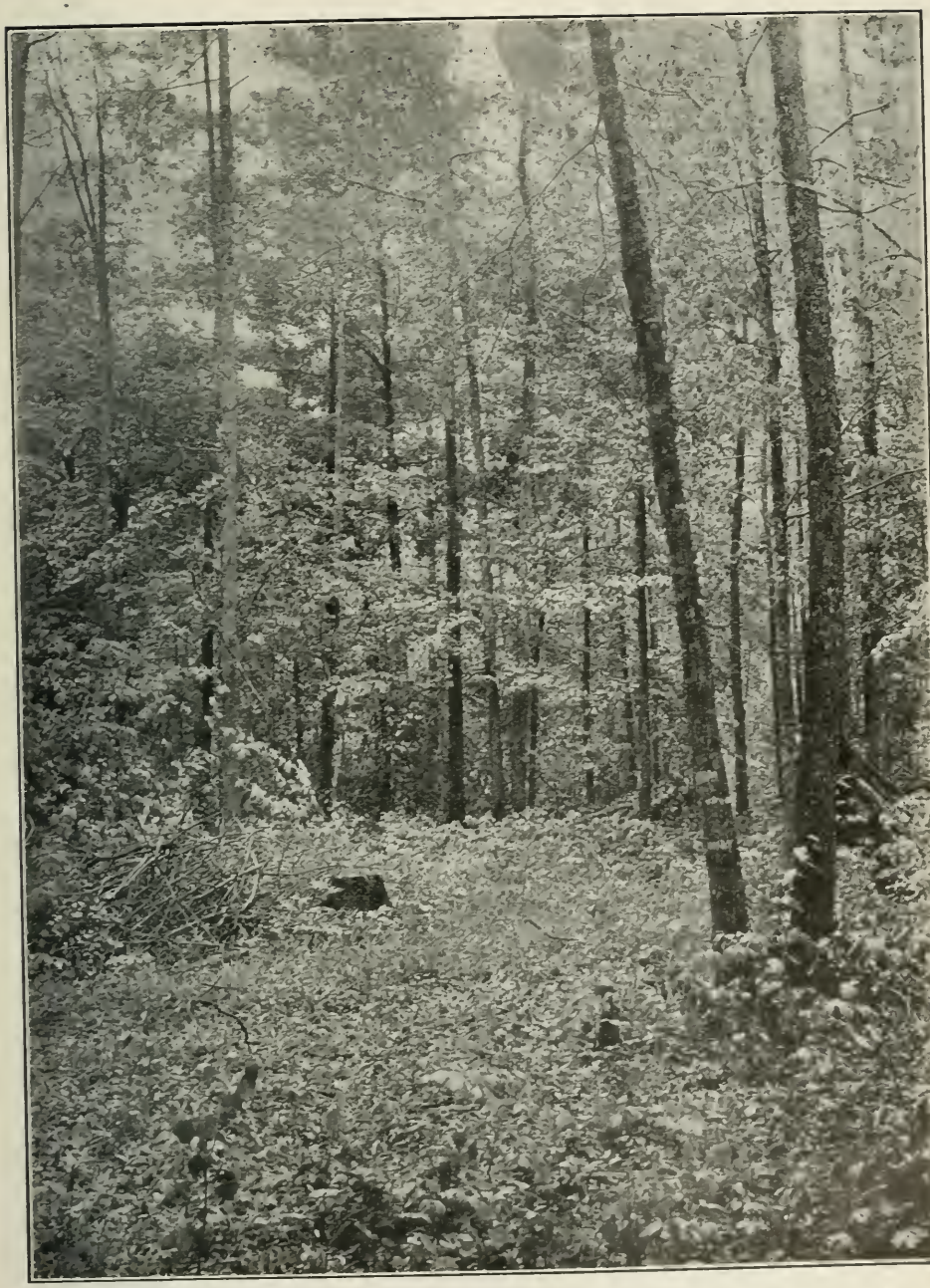

PHOTO BY J. F. CLARK.

A Brant County woodlot on which the mature timber has been cut with judgment and care. Note the low stump, absence of injury to immature timber, and presence of seedlings which will quickly fill the gap caused by the removal of the mature trees.

PHOTO BY J. F. CLARK.

A line fence between two Huron County woodlots. The woodlot on the left has been grazed for many years. All live stock have been excluded from the woodlot on the right for nine years, with the result that the conditions favoring rapid growth of the trees present have been re-established.

COURTESY U.S. FOREST SERVICE. PHOTO BY J. F. CLARK.

The injury to this woodlot by grazing is seen in the absence of any young trees to fill up the gaps in the stand, and in the dead tops of a majority of the trees present—a result of the unfavorable moisture conditions induced by grazing.

COURTESY OF U.S. FOREST SERVICE. PHOTO BY J. F. CLARK.

A young woodlot fairly well stocked with good trees but growing very slowly because of the unfavorable moisture conditions caused by the destruction of the undergrowth by grazing, and lack of marginal windbreak.

COURTESY U.S. FOREST SERVICE. PHOTO BY J. F. CLARK

An open spot in a woodlot which was previously heavily grazed, but from which the live stock have been excluded for eleven years. This shows how quickly a woodlot recovers without other assistance then fencing when seed trees are near by and the ground has not become closely sodded over.

PHOTO BY J. F. CLARK.

Sand dune on abandoned farm in Norfolk County. Orchard in background is buried 12 feet deep. This land is admirably adapted to the growing of White and Norway pine and black locust, but is wholly unsuited for agriculture.

PHOTO BY J. F. CLARK.

Normandale "Plains," Norfolk County. These lands when first cleared produced good crops for a few years, but rapidly deteriorated and have been finally abandoned. They are well adapted for reforestation.

COURTESY U.S. FOREST SERVICE. PHOTO BY J. F. CLARK.

Natural reproduction of white pine from seed trees The larger tree standing among the young pines should be removed, for being so much ahead of its neighbors it will have many large branches and consequently very knotty lumber.

COURTESY U.S. FOREST SERVICE. PHOTO BY J. F. CLARK.

A light easily washed soil, suitable for forest growth only.

The end of the wood lot. A common sight in many parts of Ontario. PHOTO BY J. F. CLARK.

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